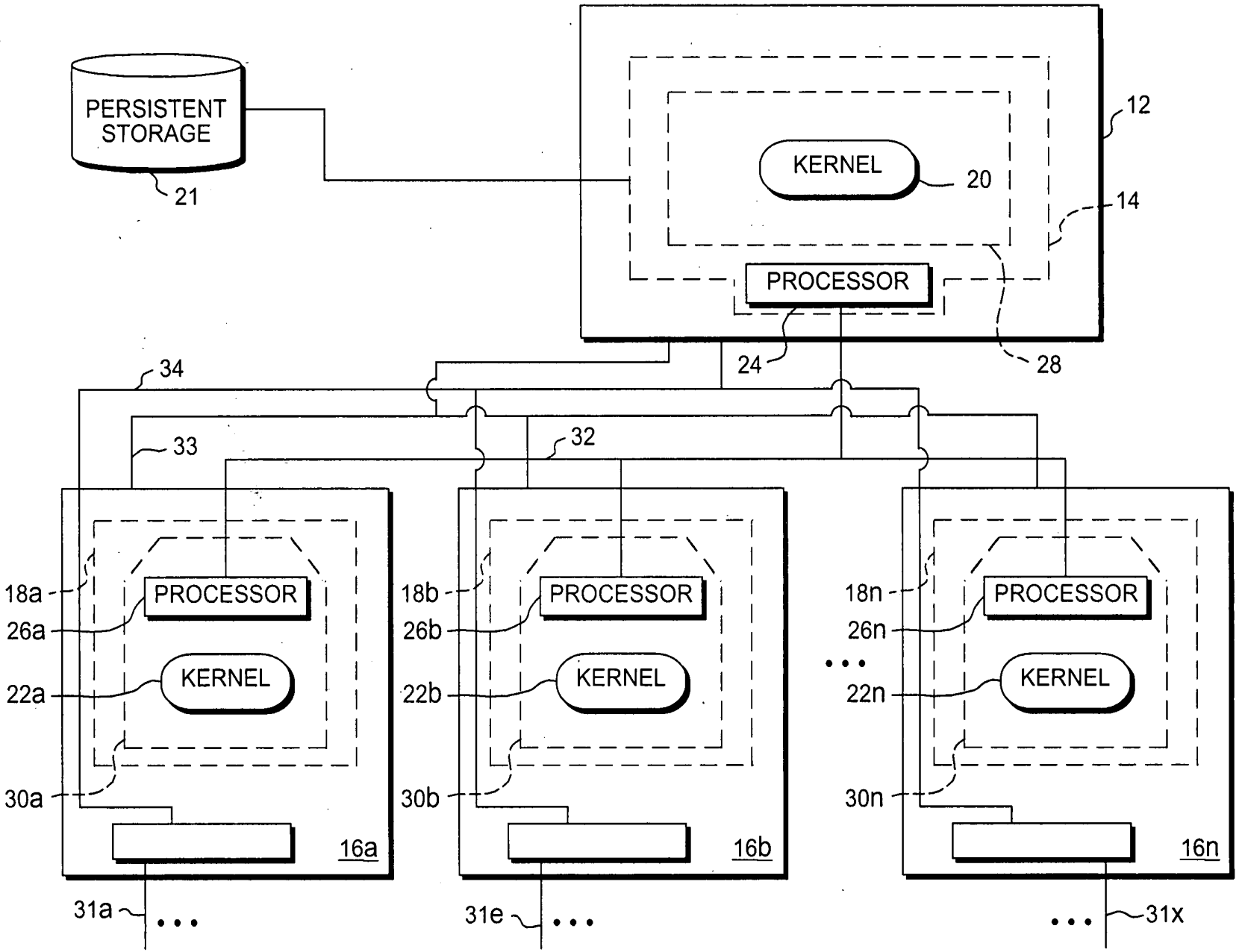

10
PERSISTENT STORAGE
21
KERNEL
20
12
14
PROCESSOR
24
28
34
33
32
18a
PROCESSOR
26a
KERNEL
22a
30a
16a
31a
18b
PROCESSOR
26b
KERNEL
22b
30b
16b
31e
18n
PROCESSOR
26n
KERNEL
22n
30n
16n
31x

FIG. 1

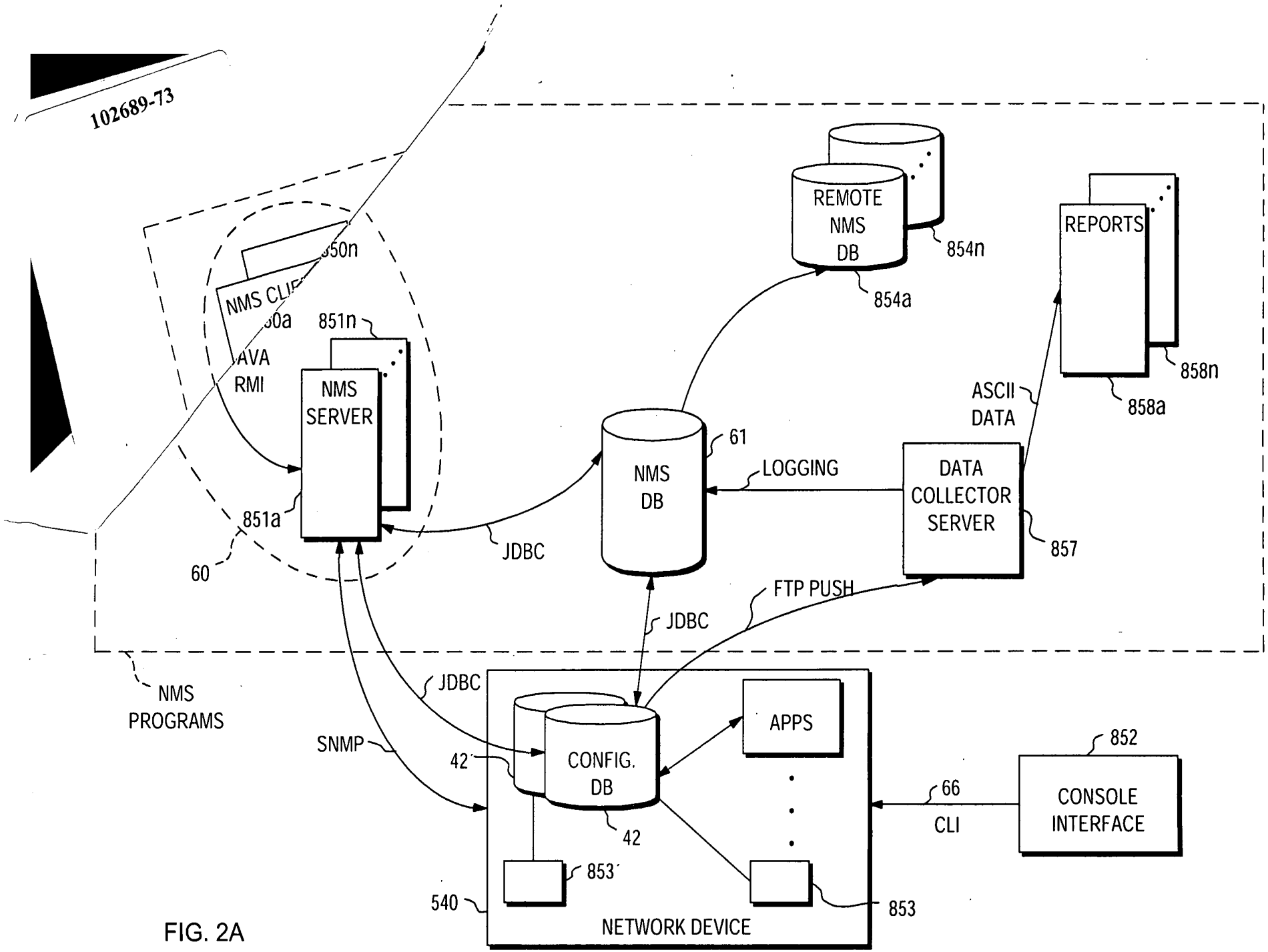

102689-73
REMOTE NMS DB
854n
854a
REPORTS
858n
858a
ASCII DATA
NMS CLI
850n
850a
851n
AVA RMI
NMS SERVER
851a
60
NMS DB
61
LOGGING
DATA COLLECTOR SERVER
857
JDBC
FTP PUSH
JDBC
NMS PROGRAMS
JDBC
SNMP
42
CONFIG. DB
42
APPS
852
66
CLI
CONSOLE INTERFACE
853
540
853
NETWORK DEVICE

FIG. 2A

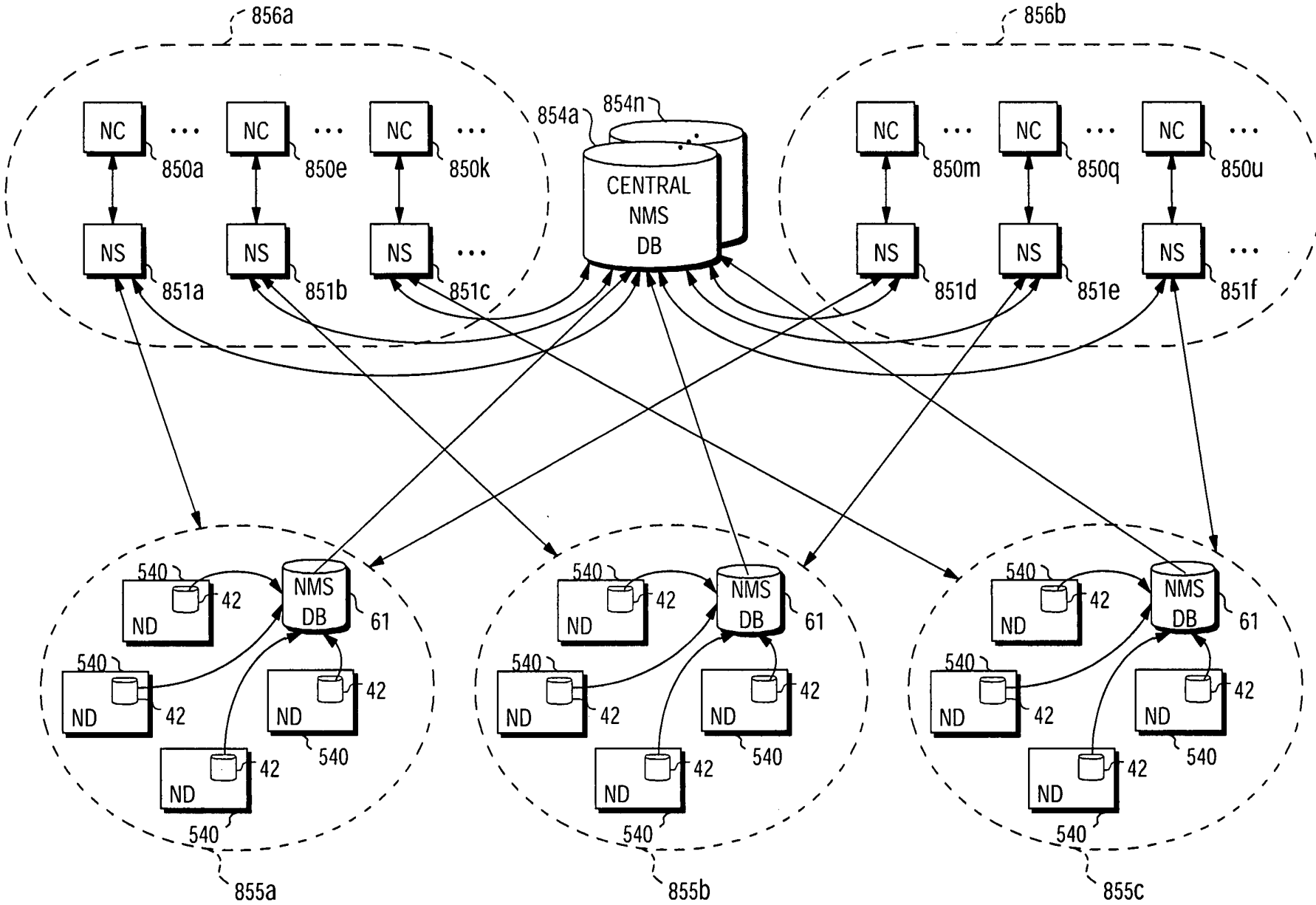

856a
856b
NC
850a
850e
850k
850m
850q
850u
854a
854n
CENTRAL
NMS
DB
NS
851a
851b
851c
851d
851e
851f
540
ND
42
NMS
DB
61
855a
855b
855c

FIG. 2B

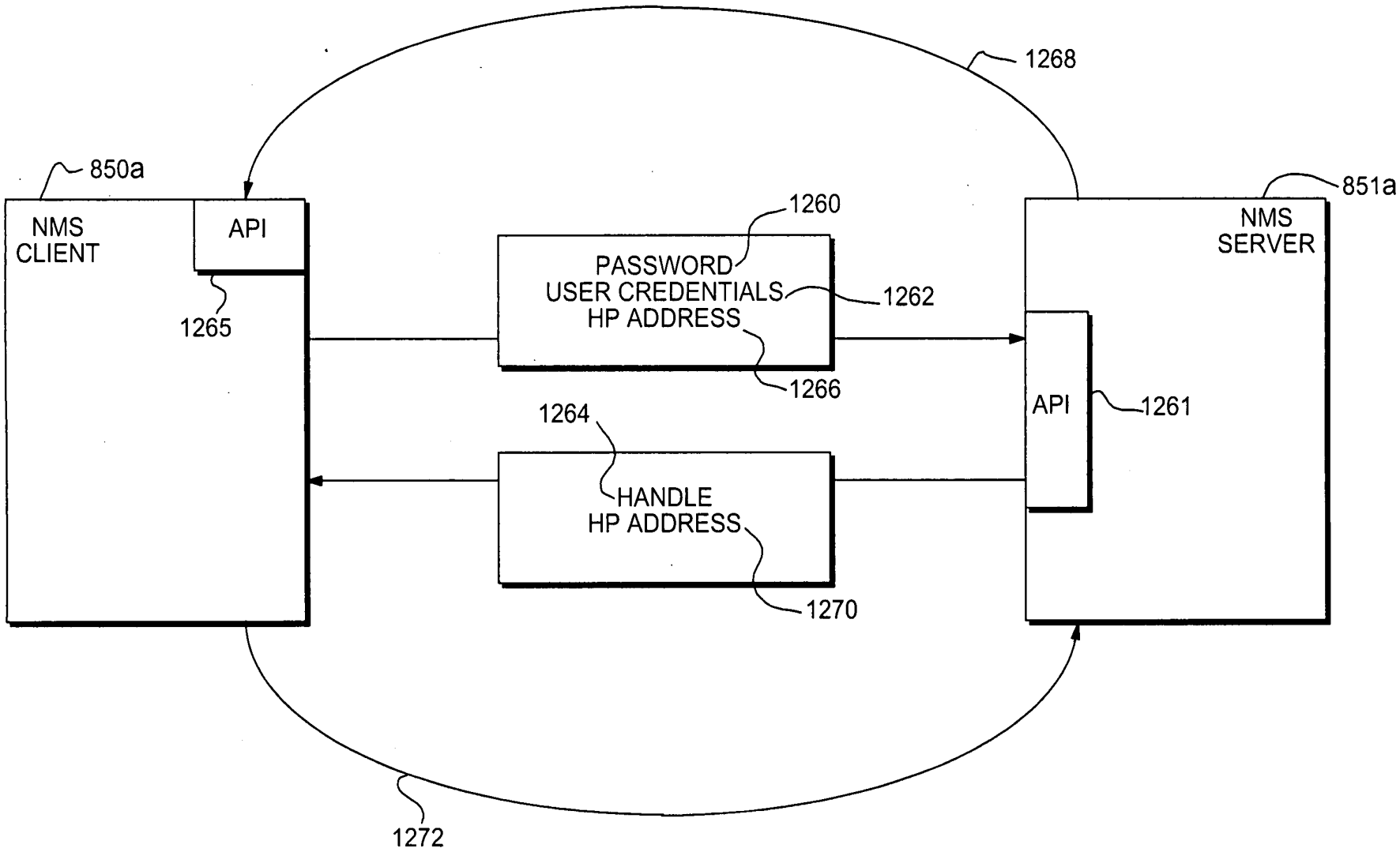

1268
850a
NMS
CLIENT
API
1265
1260
PASSWORD
USER CREDENTIALS
HP ADDRESS
1262
1266
1264
HANDLE
HP ADDRESS
1270
851a
NMS
SERVER
API
1261
1272

FIG. 2C

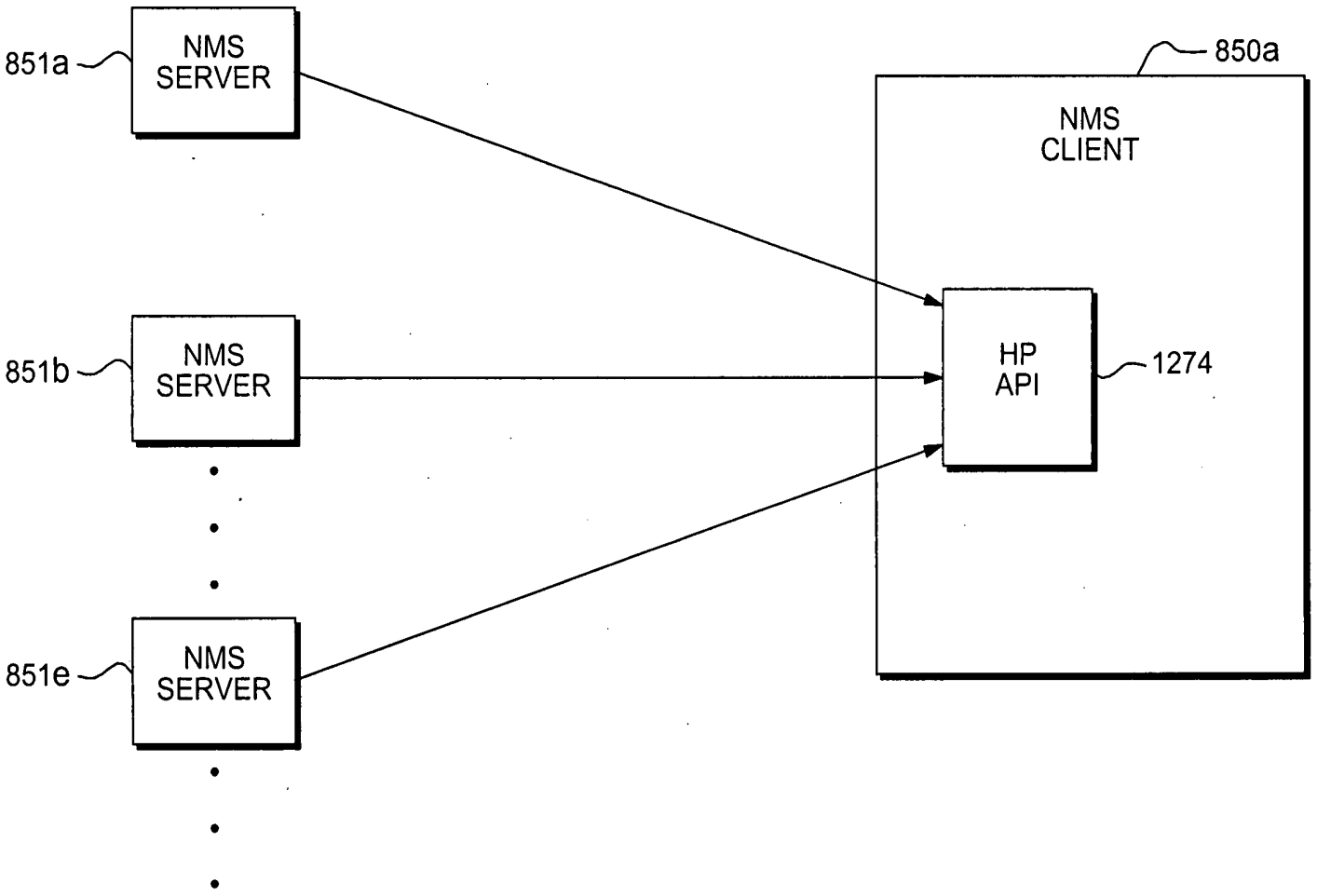

851a
NMS SERVER
851b
NMS SERVER
851e
NMS SERVER
850a
NMS CLIENT
HP API
1274

FIG. 2D

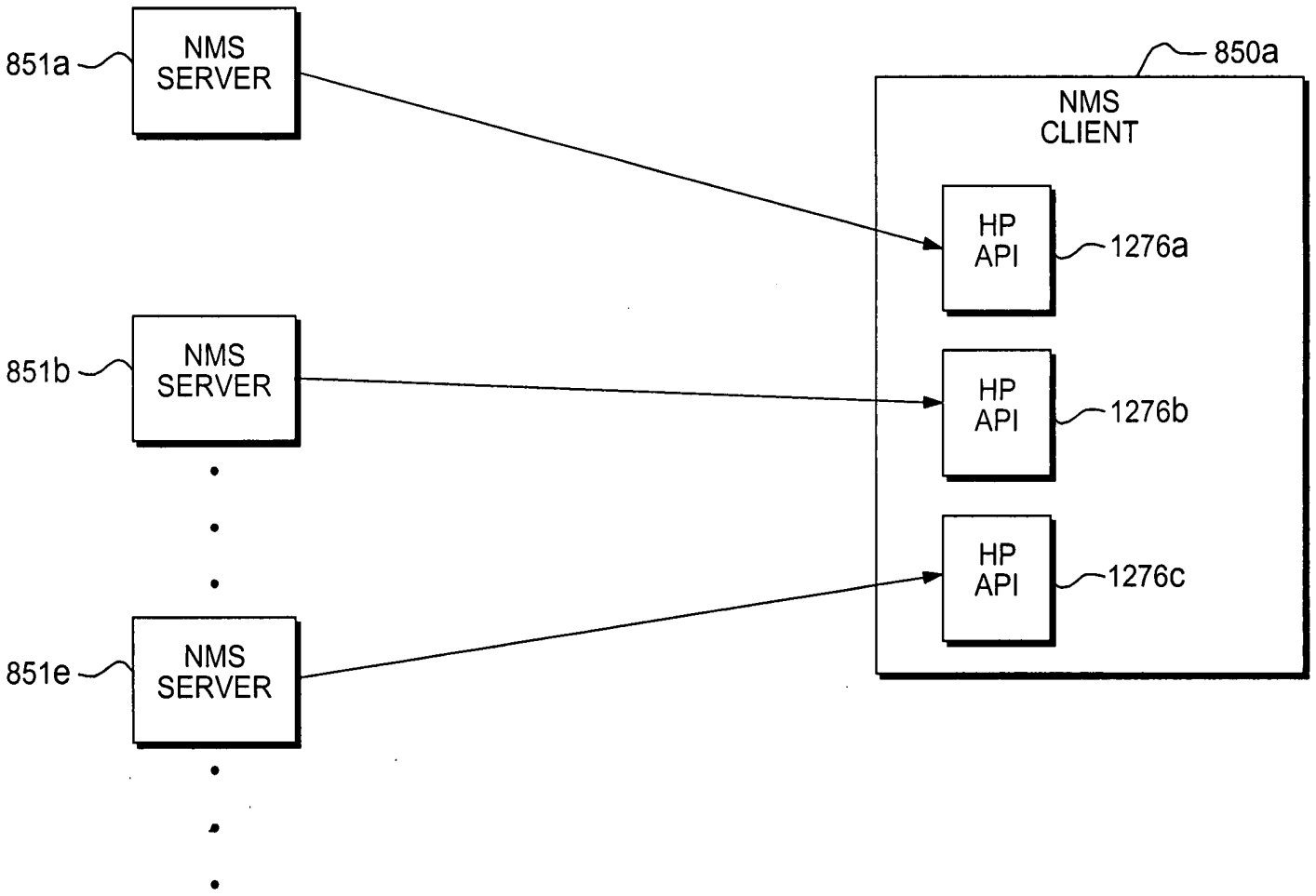

851a
NMS SERVER
851b
NMS SERVER
851e
NMS SERVER
850a
NMS CLIENT
HP API
1276a
HP API
1276b
HP API
1276c

FIG. 2E

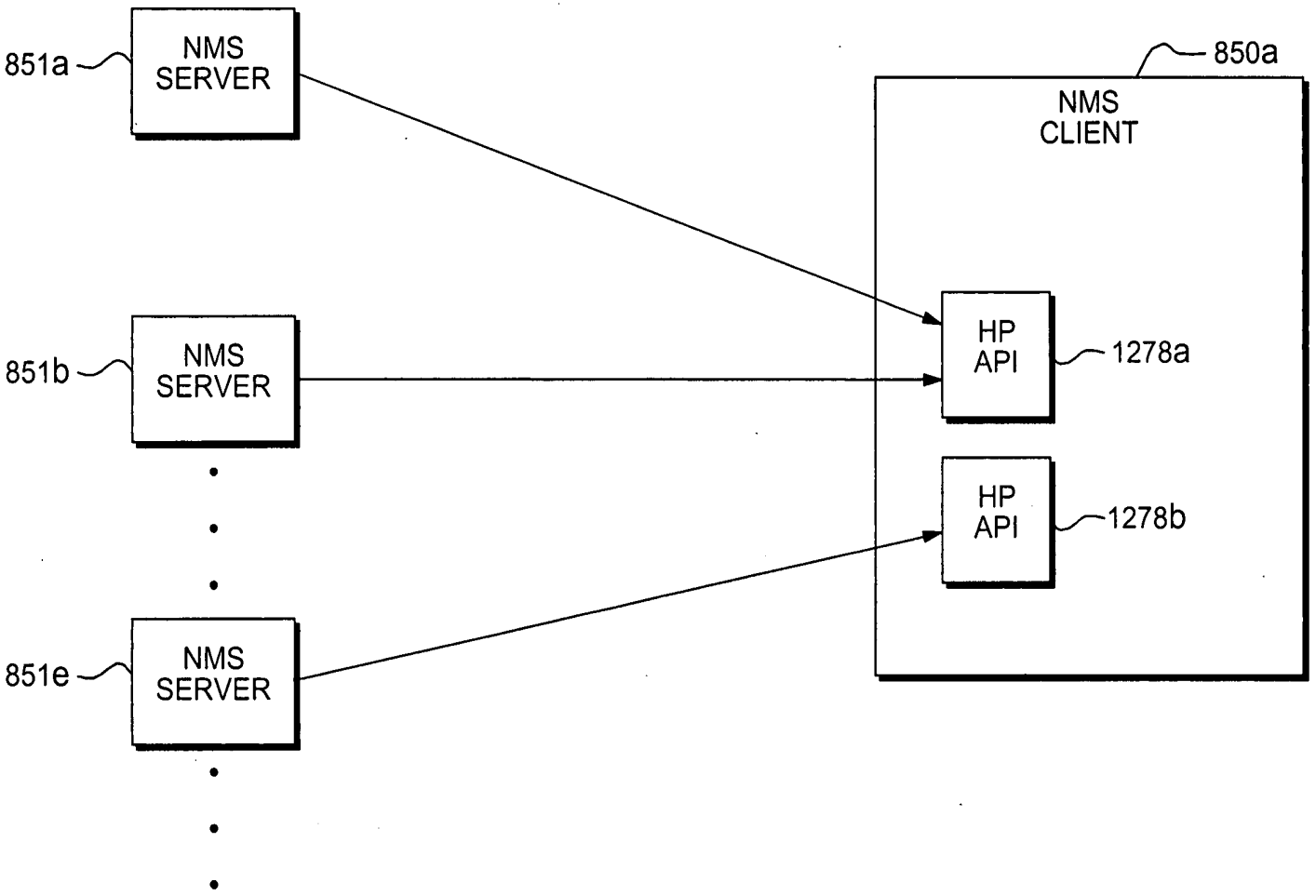

851a
NMS SERVER
851b
NMS SERVER
851e
NMS SERVER
850a
NMS CLIENT
HP API
1278a
HP API
1278b

FIG. 2F

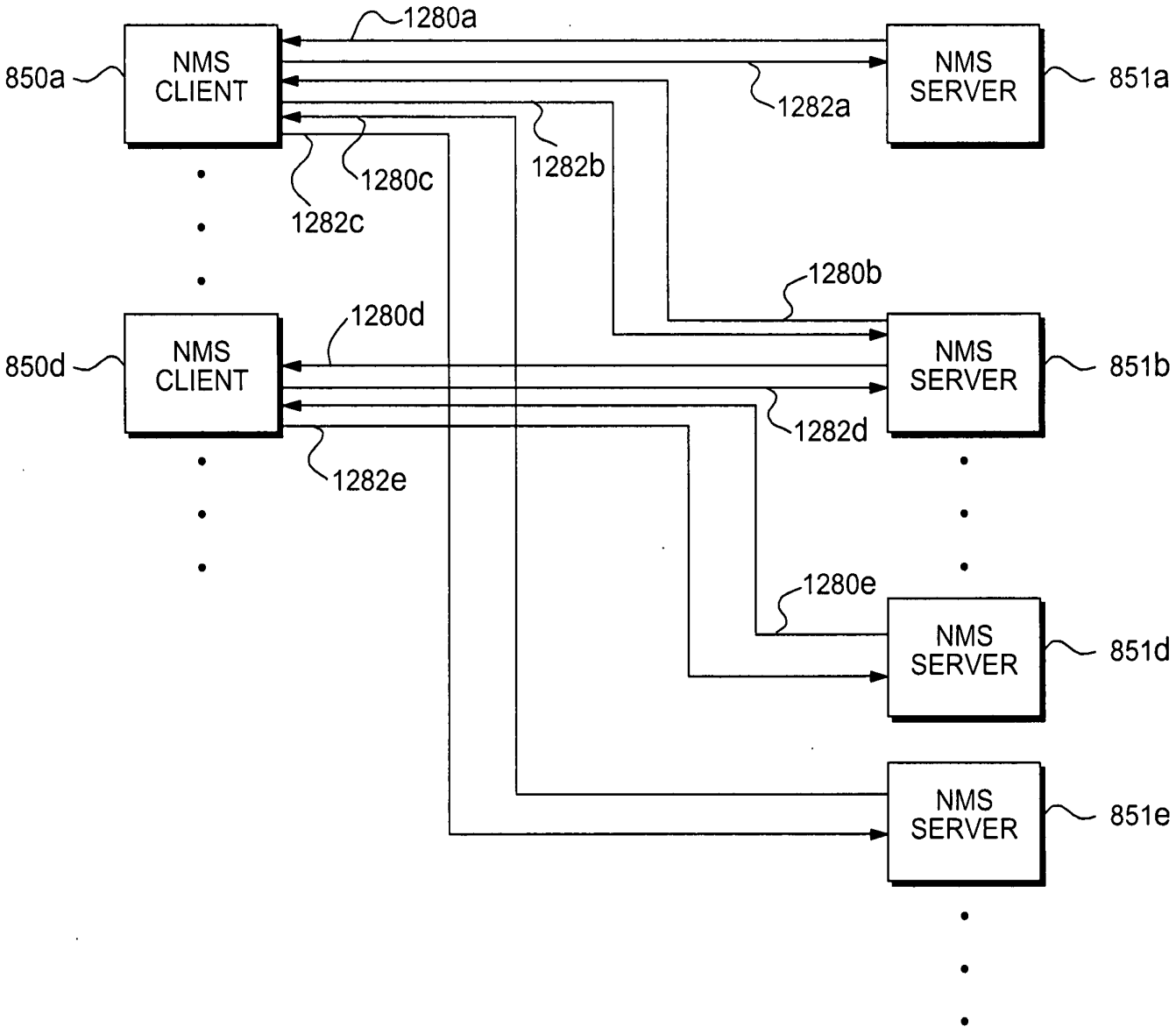

1280a
850a
NMS CLIENT
NMS SERVER
851a
1282a
1282b
1280c
1282c
1280b
1280d
850d
NMS CLIENT
NMS SERVER
851b
1282d
1282e
1280e
NMS SERVER
851d
NMS SERVER
851e

FIG. 2G

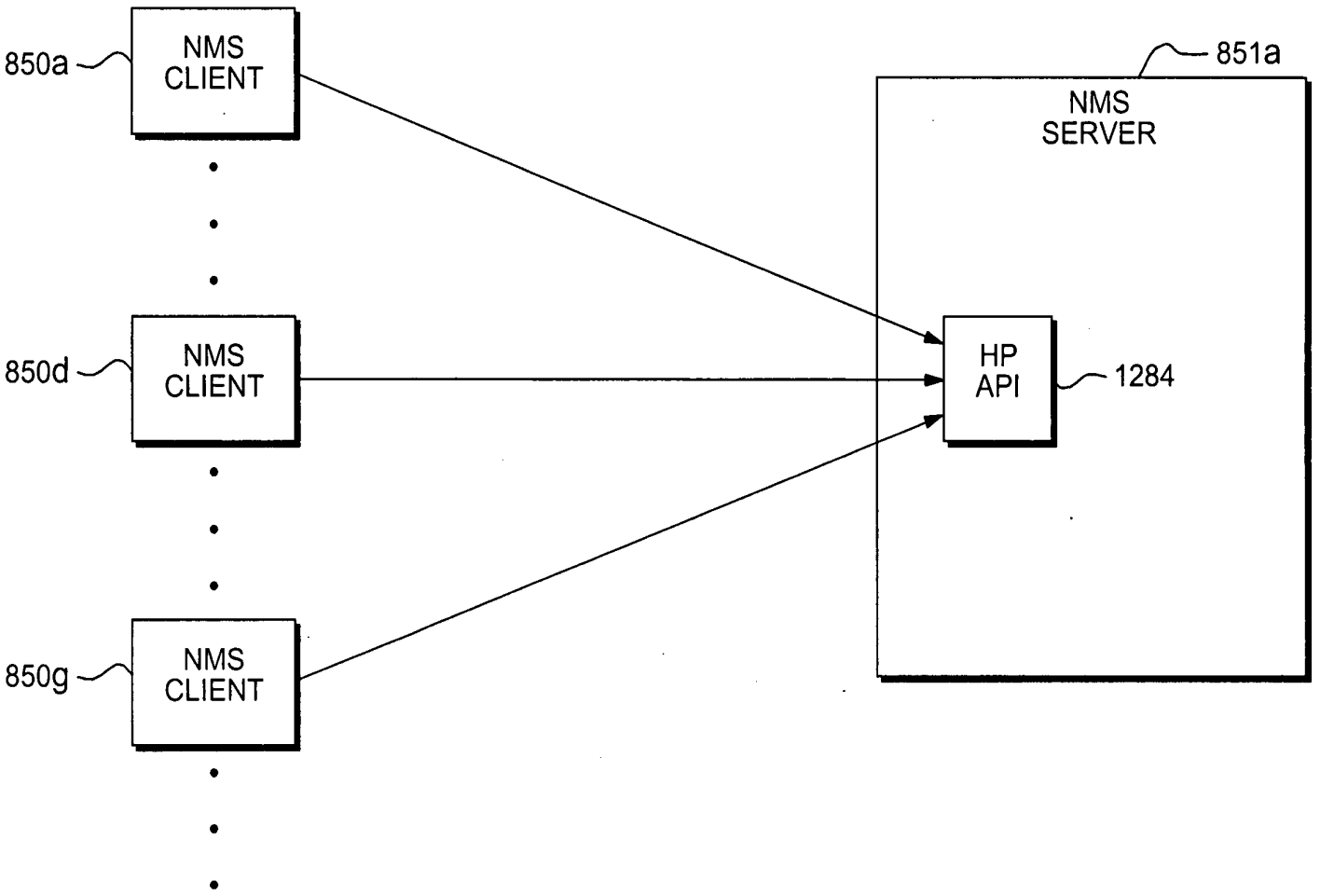

850a
NMS CLIENT
850d
NMS CLIENT
850g
NMS CLIENT
851a
NMS SERVER
HP API
1284

FIG. 2H

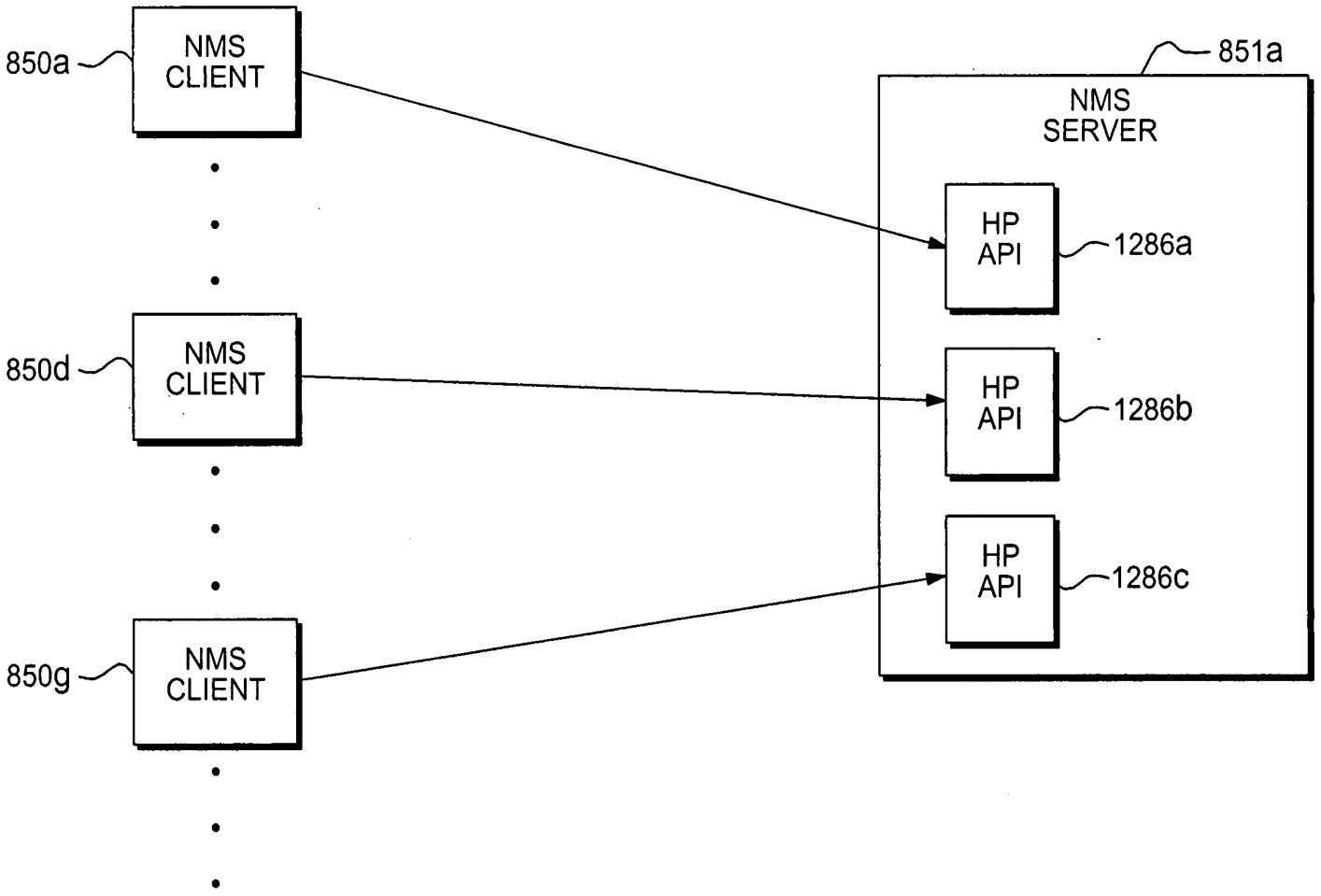

850a
NMS CLIENT
850d
NMS CLIENT
850g
NMS CLIENT
851a
NMS SERVER
HP API
1286a
HP API
1286b
HP API
1286c

FIG. 2I

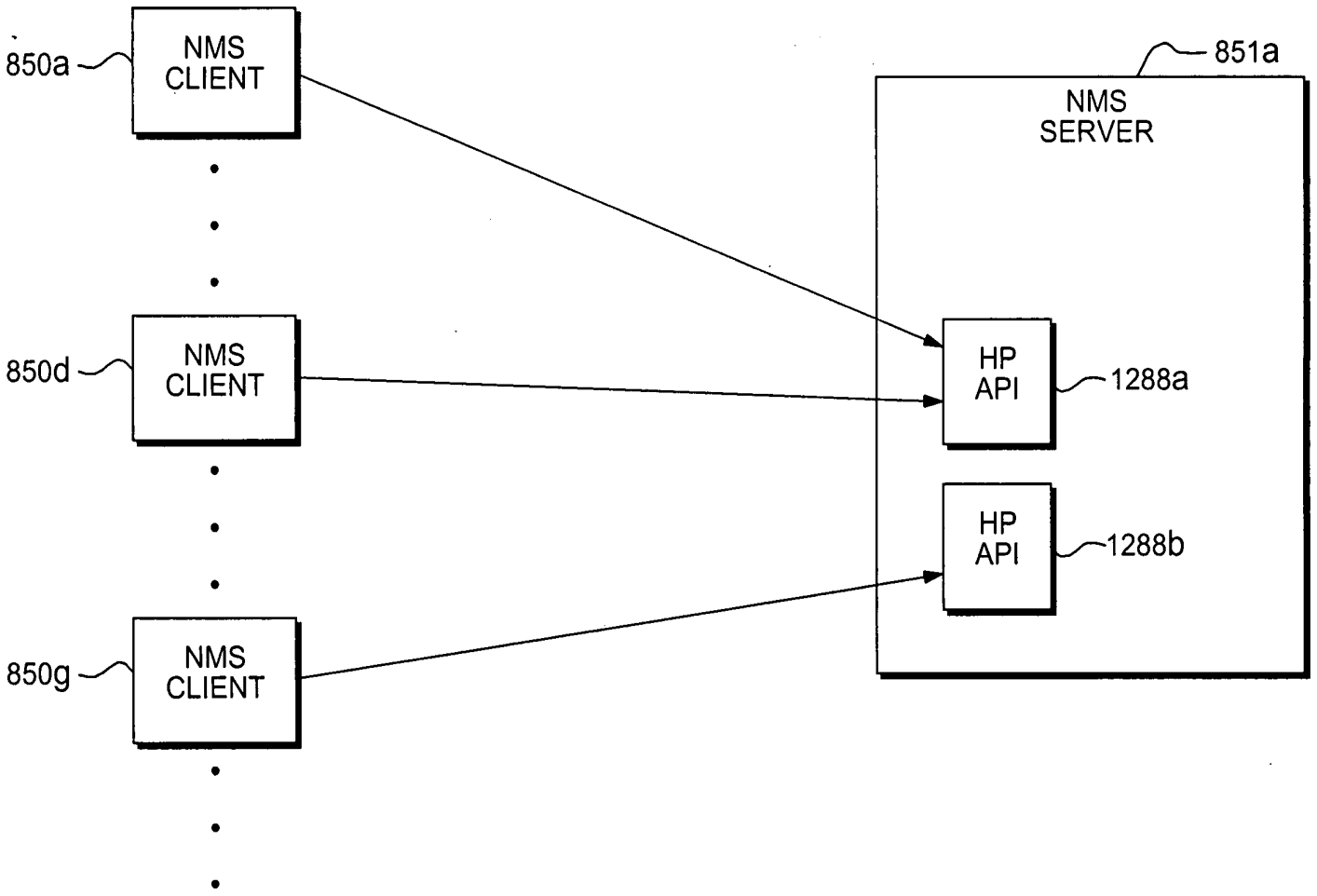

850a
NMS CLIENT
850d
NMS CLIENT
850g
NMS CLIENT
851a
NMS SERVER
HP API
1288a
HP API
1288b

FIG. 2J

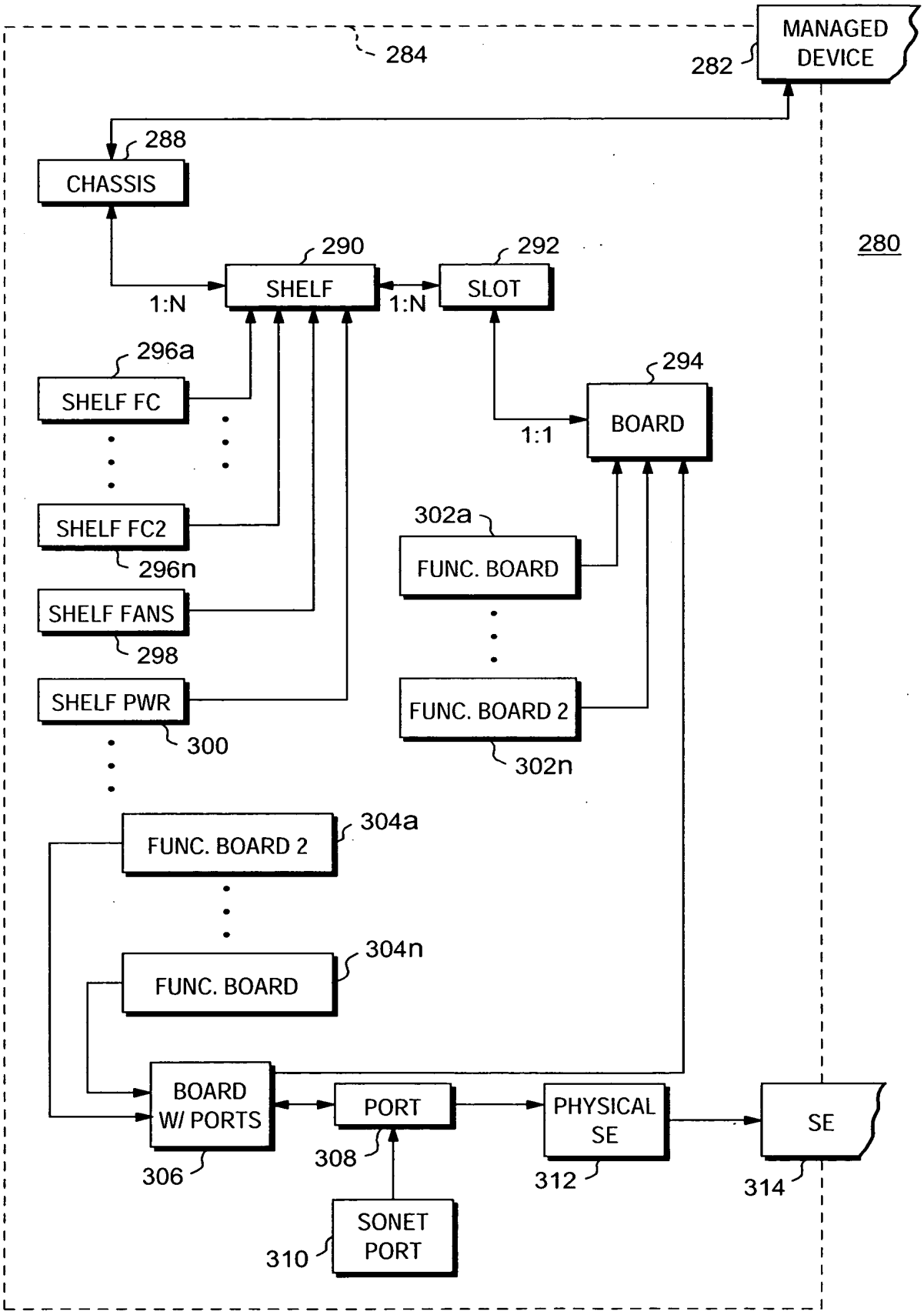

284
MANAGED DEVICE
282
288
CHASSIS
280
290
SHELF
292
SLOT
1:N
1:N
296a
SHELF FC
294
BOARD
1:1
SHELF FC2
296n
302a
FUNC. BOARD
SHELF FANS
298
SHELF PWR
300
FUNC. BOARD 2
302n
304a
FUNC. BOARD 2
304n
FUNC. BOARD
BOARD W/ PORTS
306
PORT
308
PHYSICAL SE
312
SE
314
SONET PORT
310

FIG. 3A

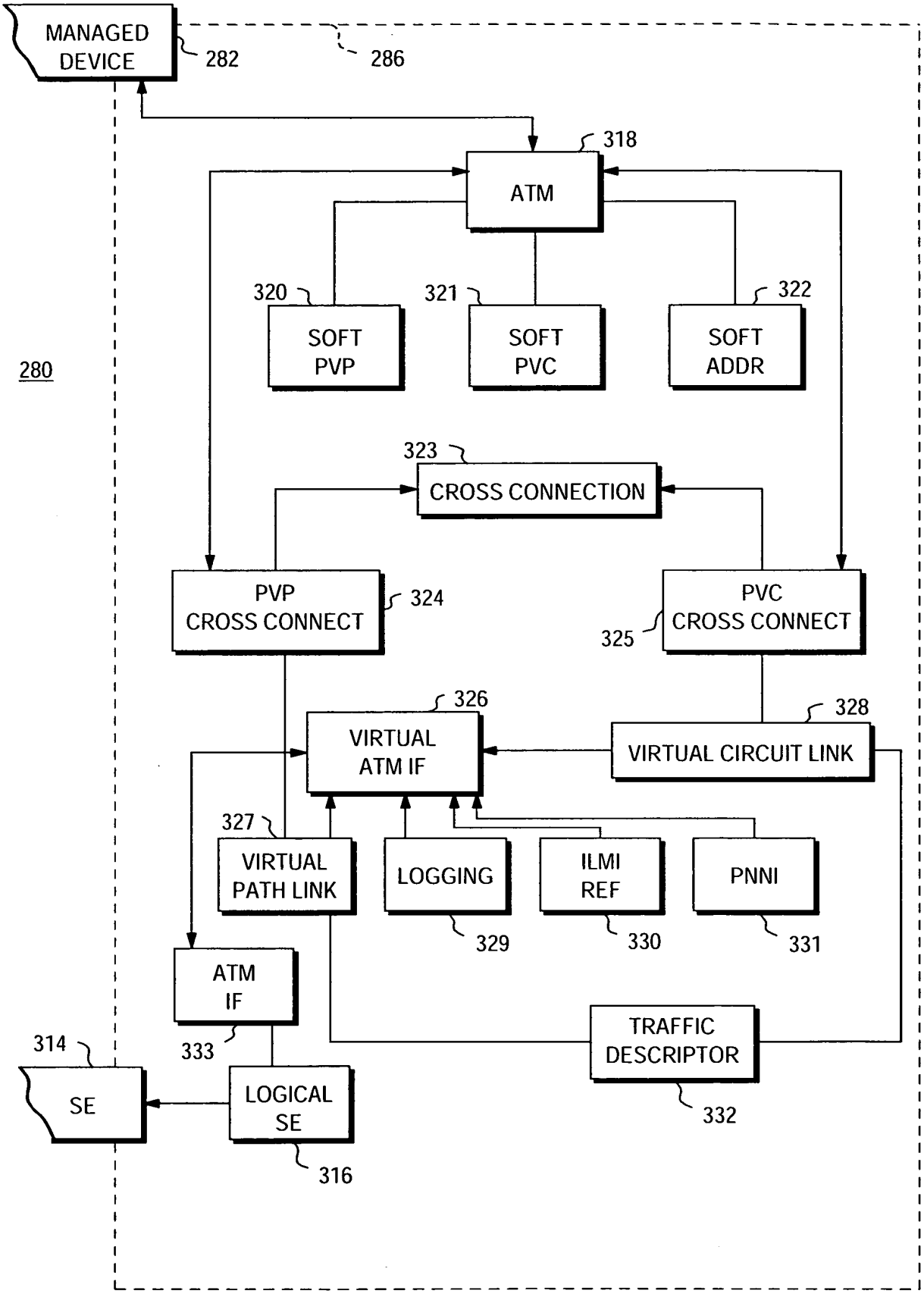

MANAGED DEVICE
282
286
318
ATM
320
321
322
SOFT PVP
SOFT PVC
SOFT ADDR
280
323
CROSS CONNECTION
PVP CROSS CONNECT
324
PVC CROSS CONNECT
325
326
VIRTUAL ATM IF
328
VIRTUAL CIRCUIT LINK
327
VIRTUAL PATH LINK
LOGGING
ILMI REF
PNNI
329
330
331
ATM IF
333
TRAFFIC DESCRIPTOR
314
SE
LOGICAL SE
316
332

FIG. 3B

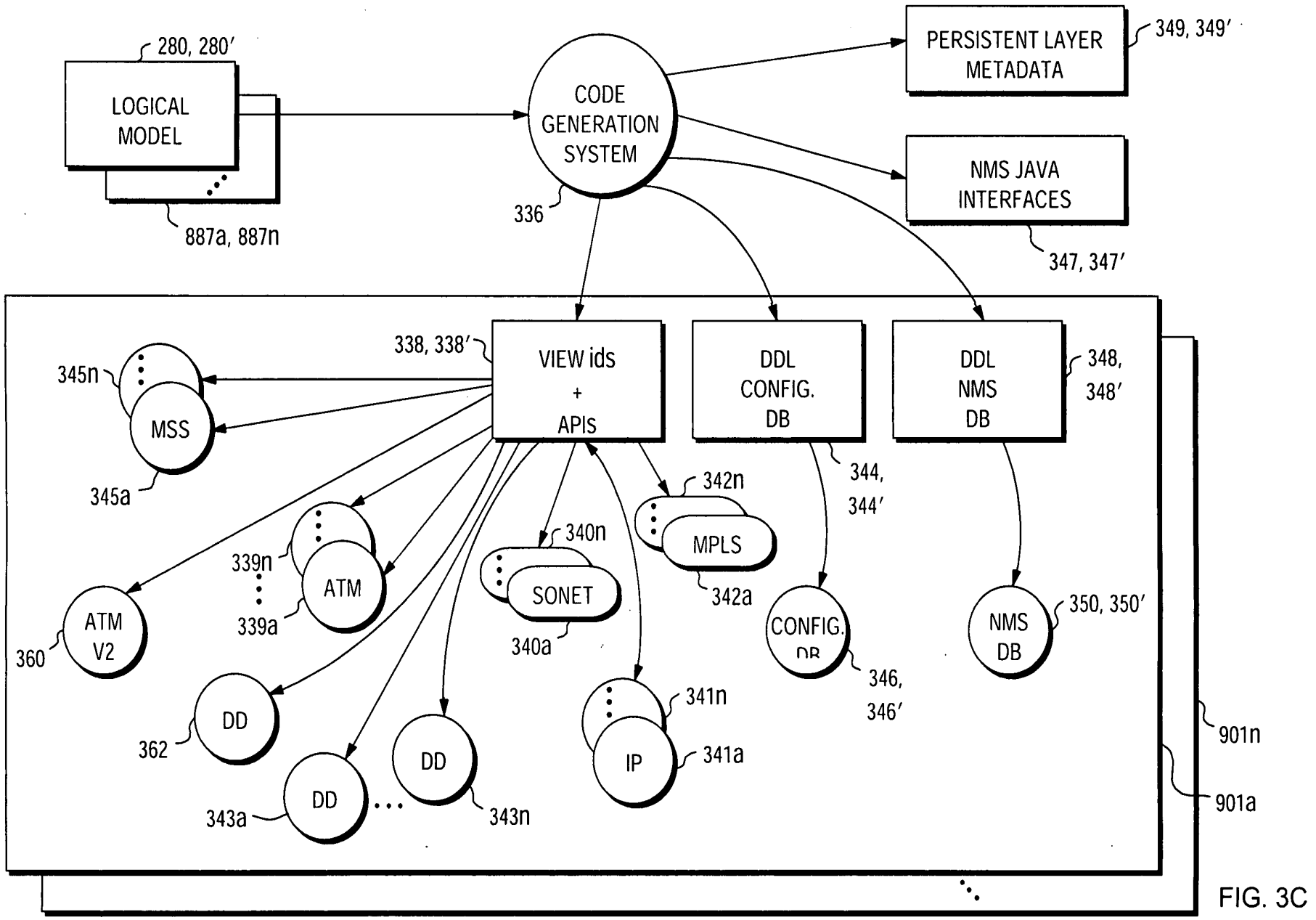

280, 280′
LOGICAL MODEL
887a, 887n
CODE GENERATION SYSTEM
336
PERSISTENT LAYER METADATA
349, 349′
NMS JAVA INTERFACES
347, 347′
338, 338′
VIEW ids + APIs
DDL CONFIG. DB
DDL NMS DB
348, 348′
345n
MSS
345a
342n
MPLS
342a
344, 344′
339n
ATM
339a
340n
SONET
340a
ATM V2
360
CONFIG. DB
346, 346′
NMS DB
350, 350′
DD
362
DD
343a
DD
343n
341n
IP
341a
901n
901a

FIG. 3C

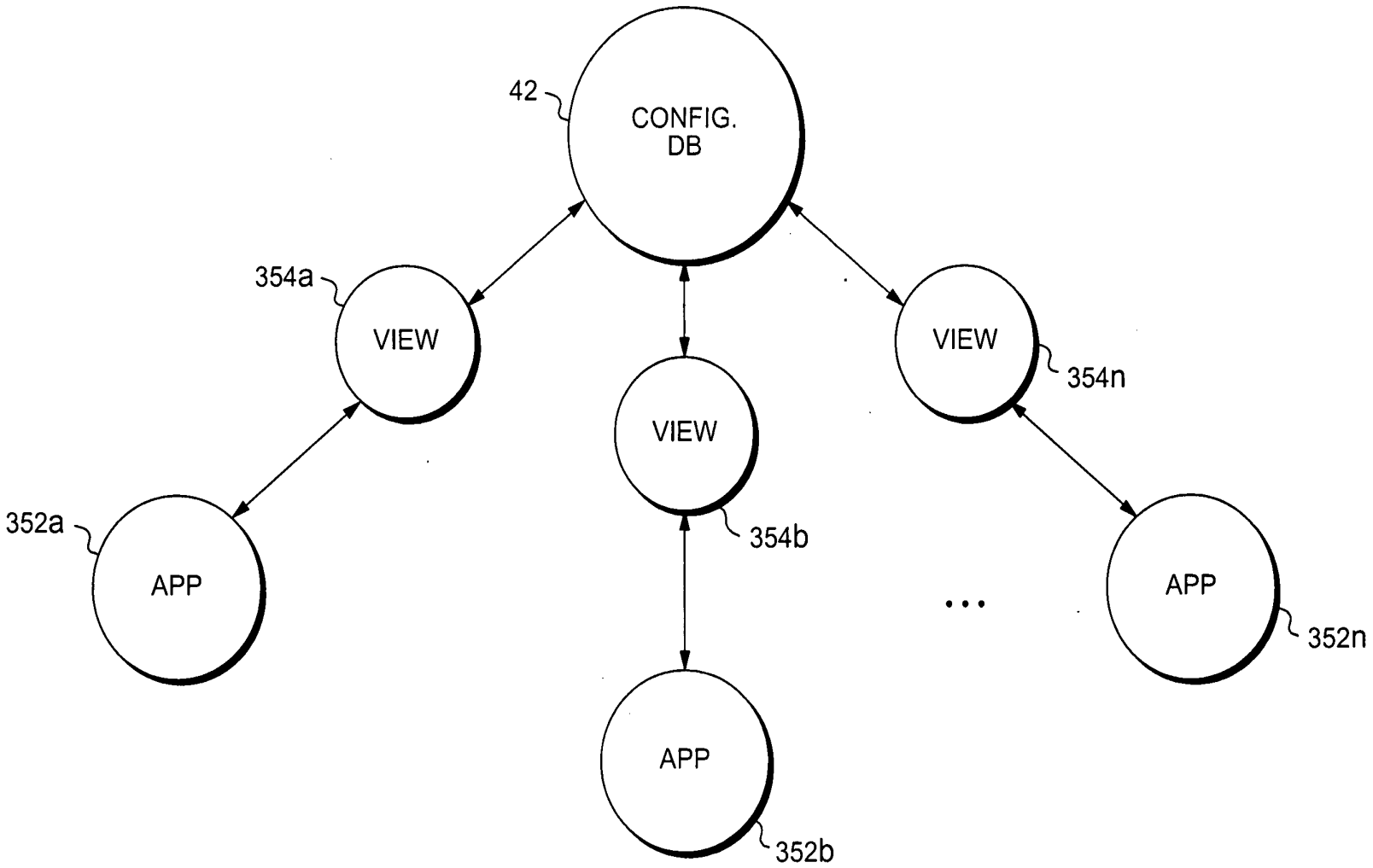

42
CONFIG. DB
354a
VIEW
VIEW
354b
VIEW
354n
352a
APP
APP
352b
...
APP
352n

FIG. 3D

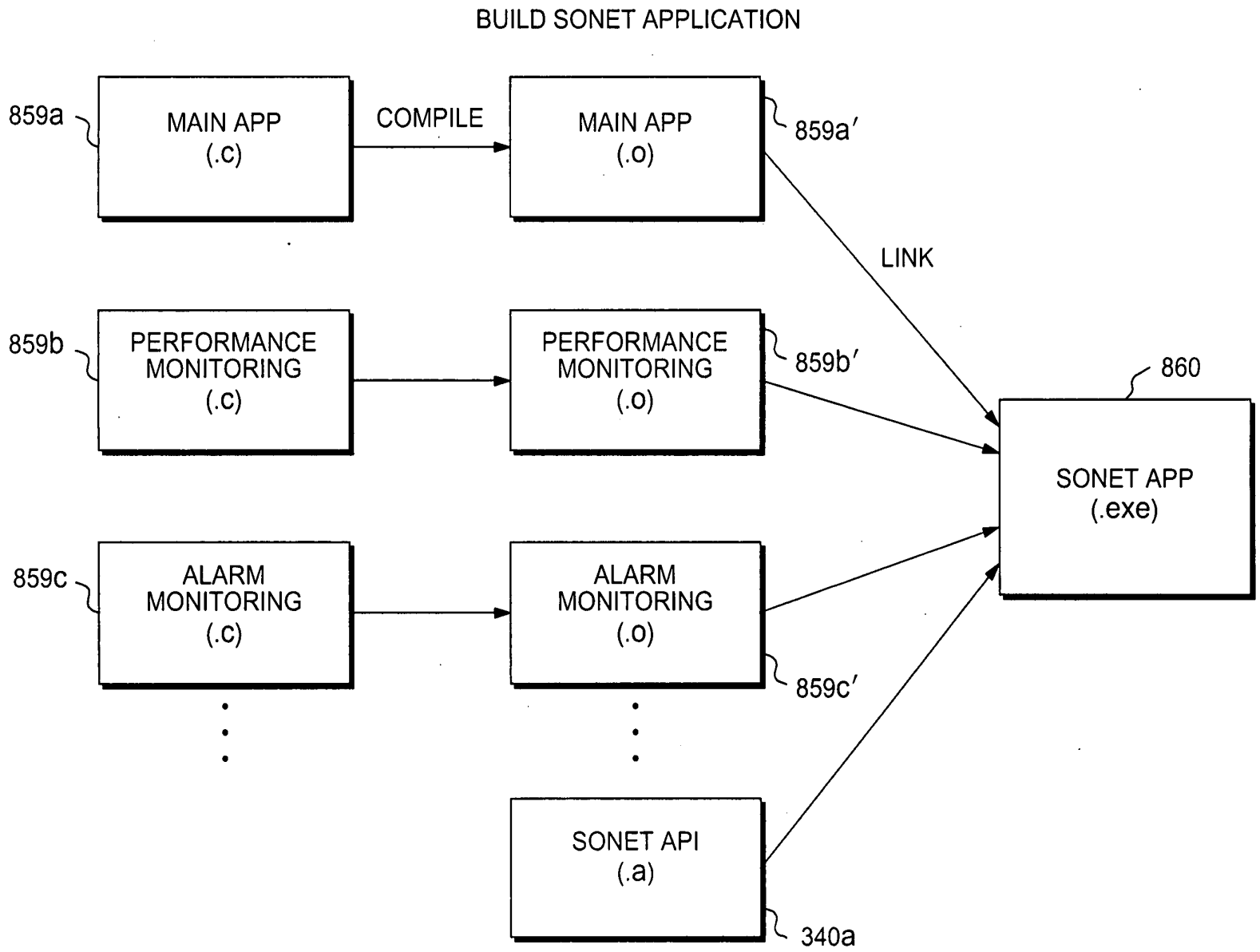

BUILD SONET APPLICATION
859a
MAIN APP
(.c)
COMPILE
MAIN APP
(.o)
859a'
LINK
859b
PERFORMANCE
MONITORING
(.c)
PERFORMANCE
MONITORING
(.o)
859b'
860
SONET APP
(.exe)
859c
ALARM
MONITORING
(.c)
ALARM
MONITORING
(.o)
859c'
SONET API
(.a)
340a

FIG. 3E

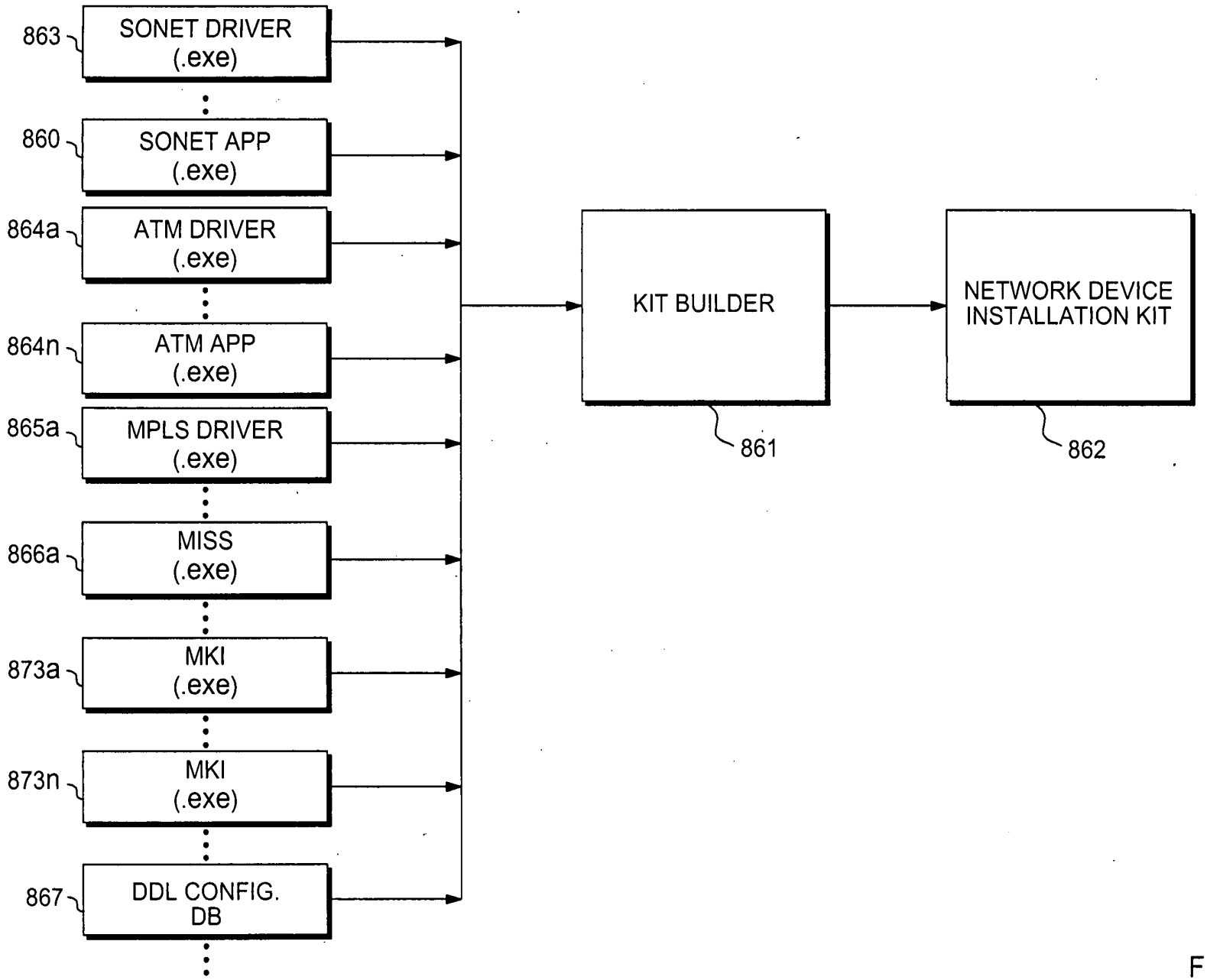

863
SONET DRIVER (.exe)
860
SONET APP (.exe)
864a
ATM DRIVER (.exe)
864n
ATM APP (.exe)
865a
MPLS DRIVER (.exe)
866a
MISS (.exe)
873a
MKI (.exe)
873n
MKI (.exe)
867
DDL CONFIG. DB
KIT BUILDER
861
NETWORK DEVICE INSTALLATION KIT
862

FIG. 3F

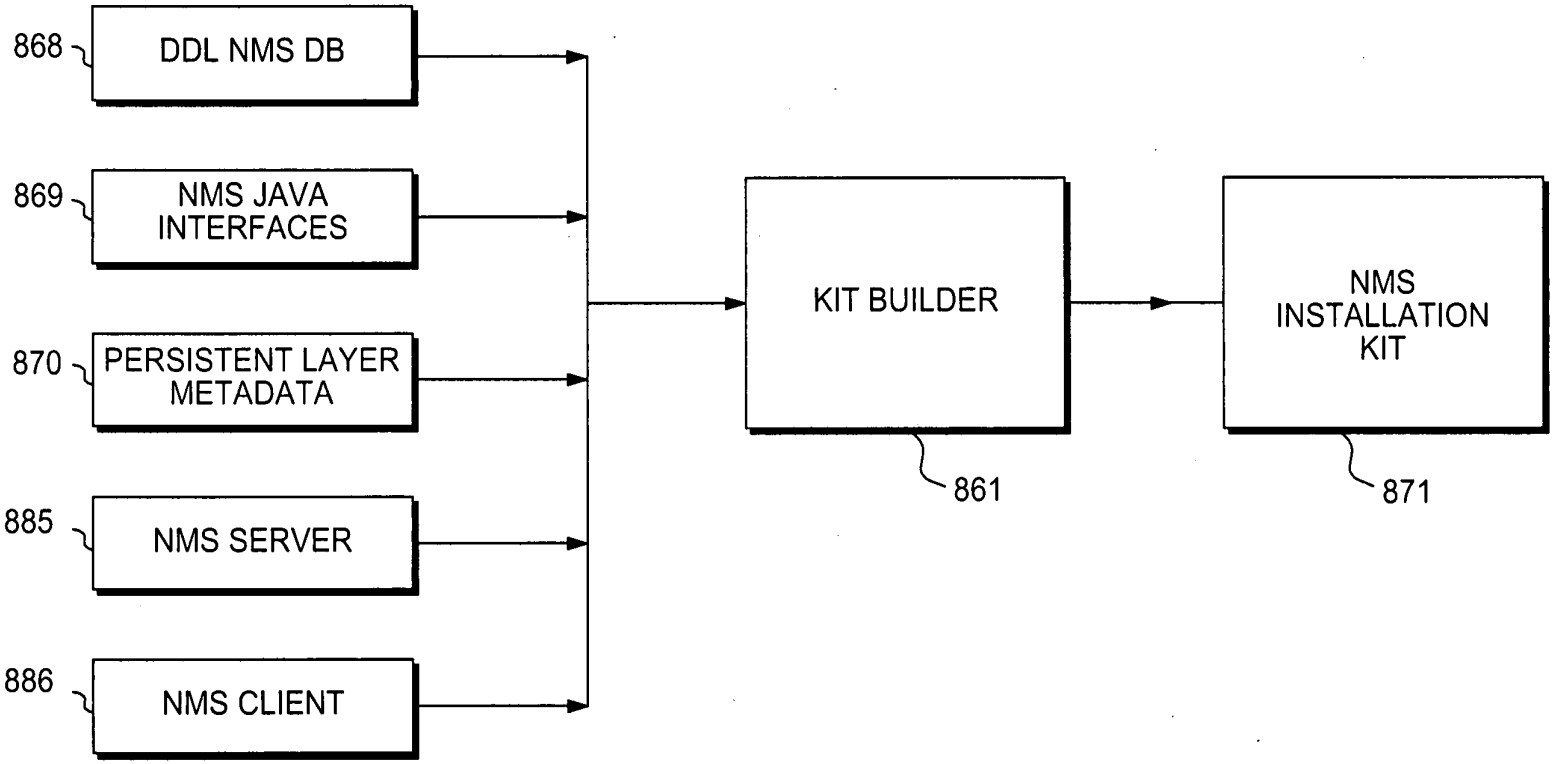

868
DDL NMS DB
869
NMS JAVA INTERFACES
870
PERSISTENT LAYER METADATA
885
NMS SERVER
886
NMS CLIENT
KIT BUILDER
861
NMS INSTALLATION KIT
871

FIG. 3G

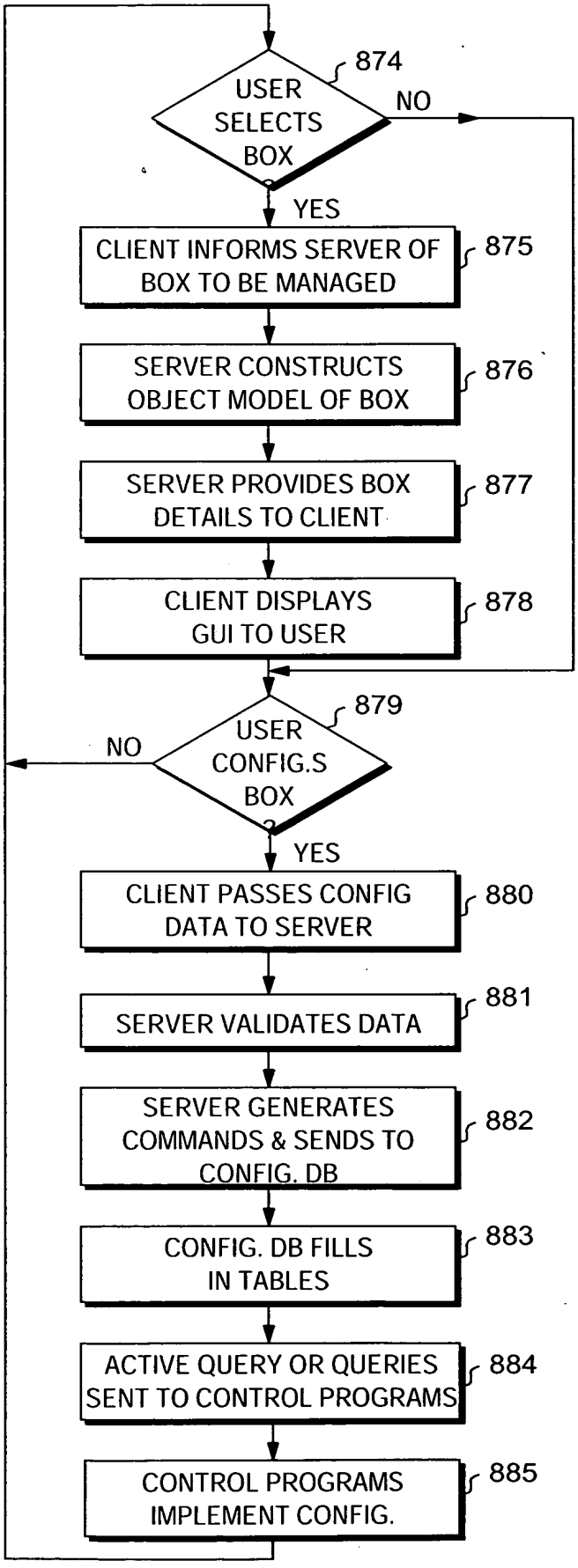

874
USER SELECTS BOX
NO
YES
CLIENT INFORMS SERVER OF BOX TO BE MANAGED
875
SERVER CONSTRUCTS OBJECT MODEL OF BOX
876
SERVER PROVIDES BOX DETAILS TO CLIENT
877
CLIENT DISPLAYS GUI TO USER
878
879
USER CONFIG.S BOX
NO
YES
CLIENT PASSES CONFIG DATA TO SERVER
880
SERVER VALIDATES DATA
881
SERVER GENERATES COMMANDS & SENDS TO CONFIG. DB
882
CONFIG. DB FILLS IN TABLES
883
ACTIVE QUERY OR QUERIES SENT TO CONTROL PROGRAMS
884
CONTROL PROGRAMS IMPLEMENT CONFIG.
885

FIG. 3H

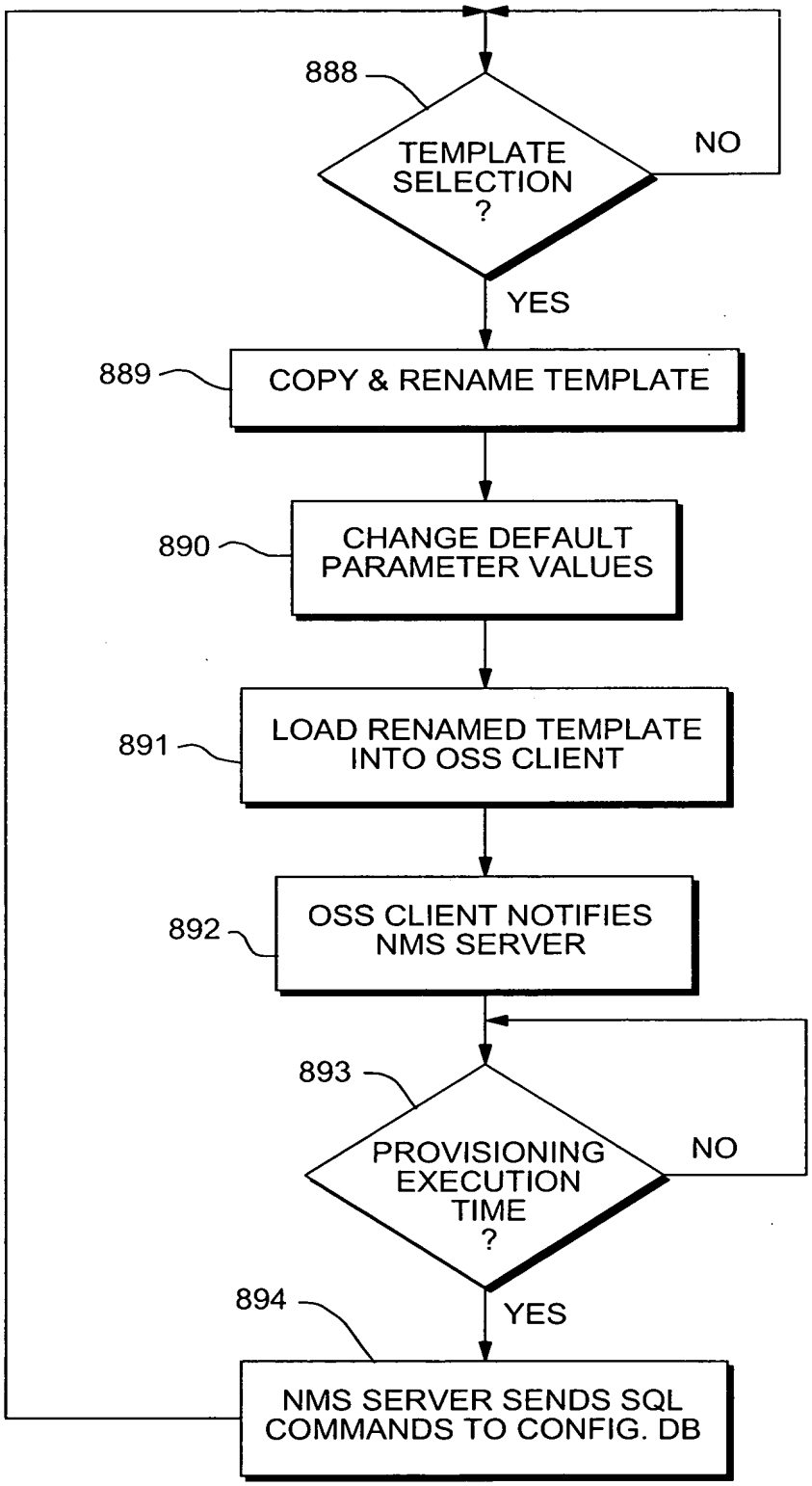
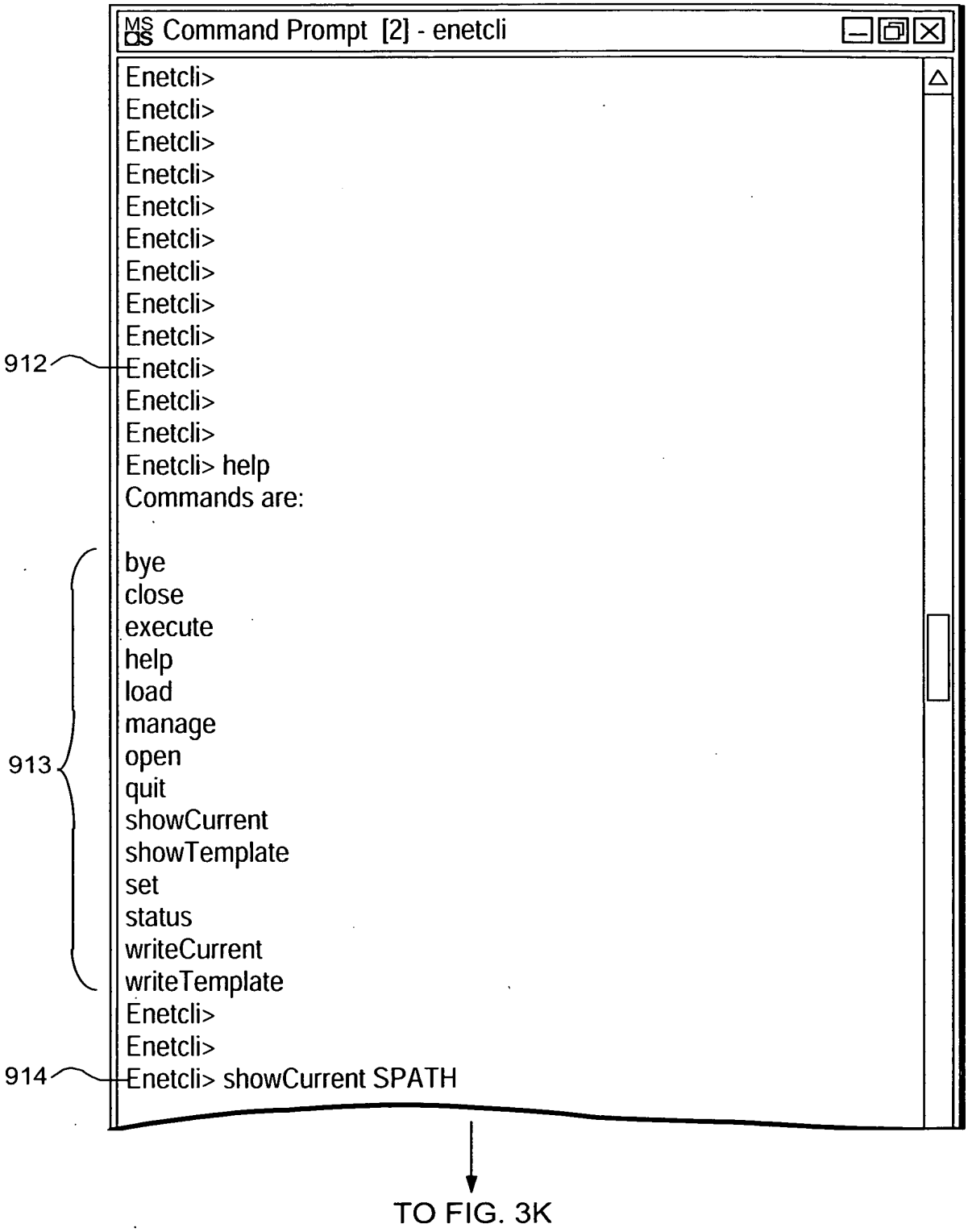

888
TEMPLATE SELECTION ?
NO
YES
889
COPY & RENAME TEMPLATE
890
CHANGE DEFAULT PARAMETER VALUES
891
LOAD RENAMED TEMPLATE INTO OSS CLIENT
892
OSS CLIENT NOTIFIES NMS SERVER
893
PROVISIONING EXECUTION TIME ?
NO
YES
894
NMS SERVER SENDS SQL COMMANDS TO CONFIG. DB

FIG. 3I



TO FIG. 3K

FIG. 3J

FROM FIG. 3J

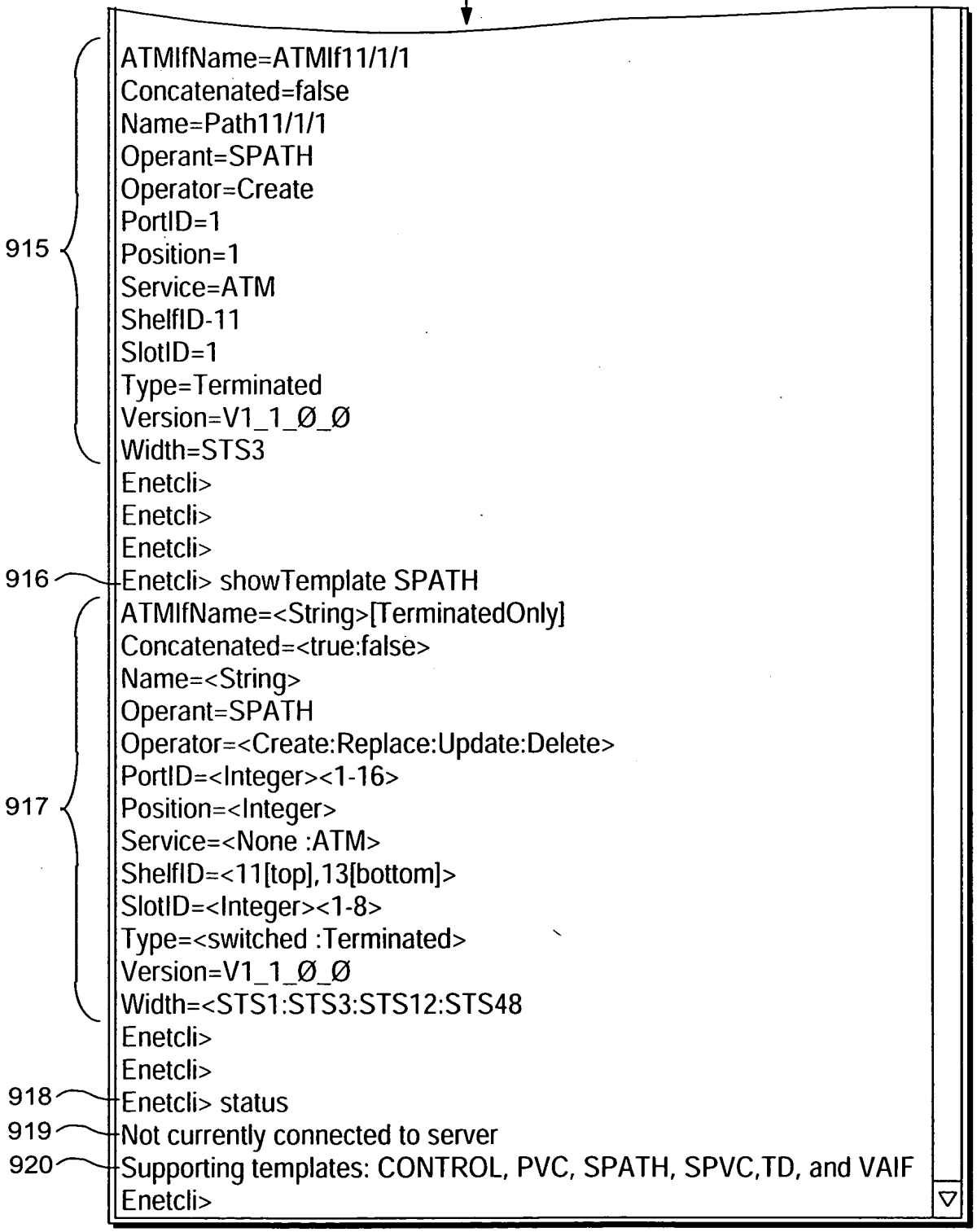


FIG. 3K

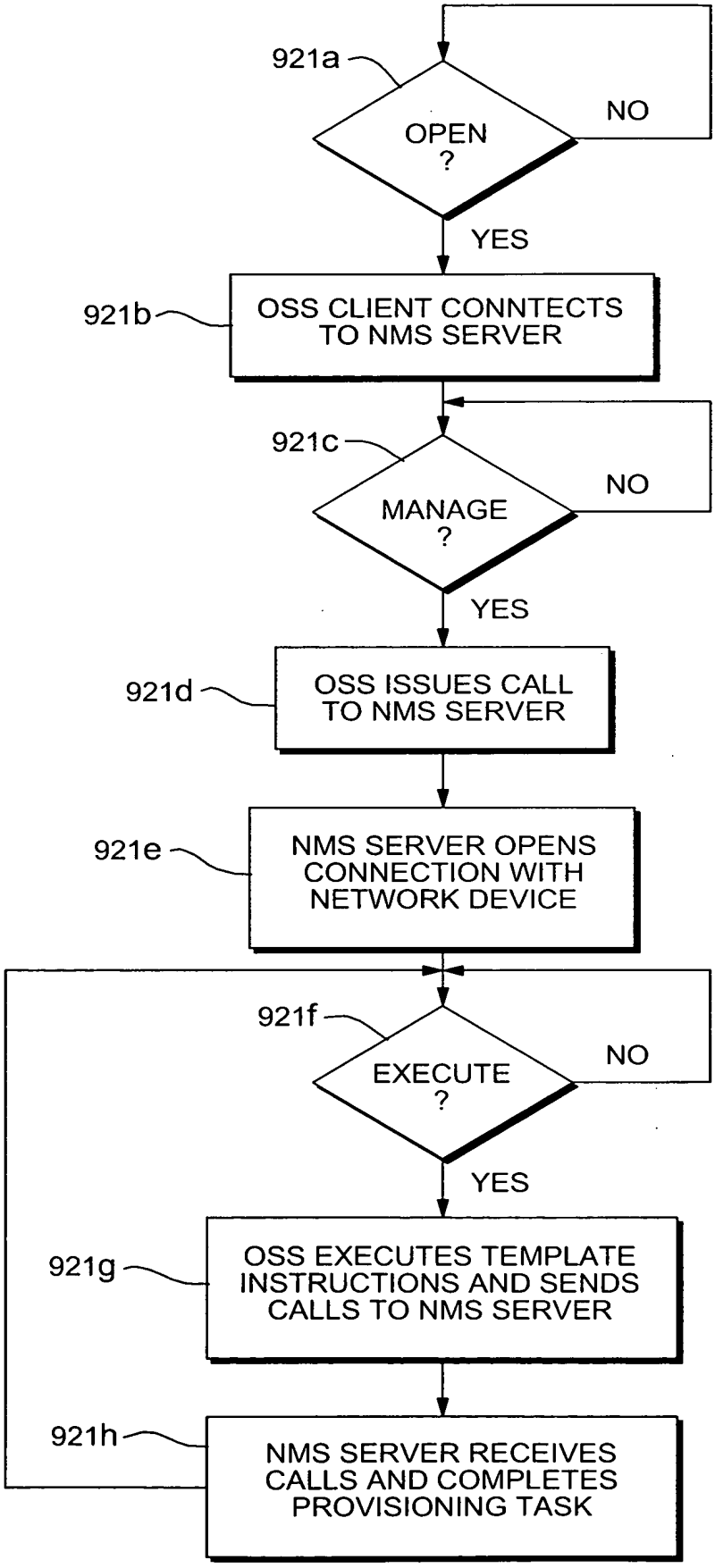

921a
OPEN ?
NO
YES
921b
OSS CLIENT CONNTECTS TO NMS SERVER
921c
MANAGE ?
NO
YES
921d
OSS ISSUES CALL TO NMS SERVER
921e
NMS SERVER OPENS CONNECTION WITH NETWORK DEVICE
921f
EXECUTE ?
NO
YES
921g
OSS EXECUTES TEMPLATE INSTRUCTIONS AND SENDS CALLS TO NMS SERVER
921h
NMS SERVER RECEIVES CALLS AND COMPLETES PROVISIONING TASK

FIG. 3L

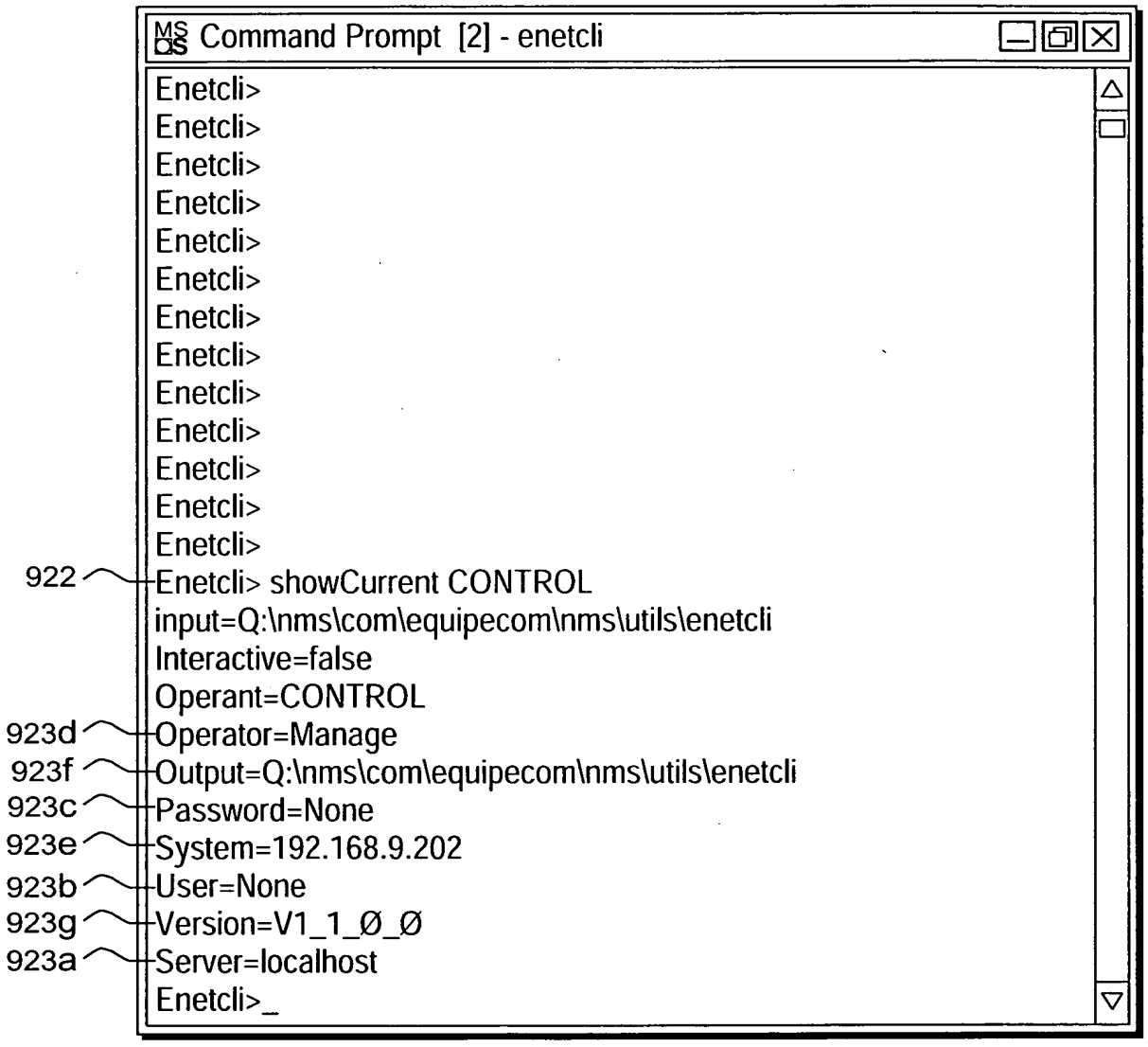
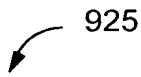

Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922
Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d
Operator=Manage
923f
Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c
Password=None
923e
System=192.168.9.202
923b
User=None
923g
Version=V1_1_Ø_Ø
923a
Server=localhost
Enetcli>_

FIG. 3M

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
924a ~ TASK1=execute-SPATH
924b ~ TASK2=execute-PVC
924c ~ TASK3=execute-SPVC
924d ~ TASK4=load-SPVC-spvc1
924e ~ TASK5=execute-SPVC
924f ~ TASK6=load-SPVC-spvc2
924e ~ TASK7=execute-SPVC
•
•
•
924g ~ TASK50=set-SPATH-PortID-3
924h ~ TASK51=execute-SPATH
924i ~ TASK52=set-SPATH-SlotID-2
924j ~ TASK53=execute-SPATH

FIG. 3N



Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a TASK1=execute-CONTROL
925b TASK2=execute-SPATH
925c TASK3=set-SPATH-PortID-3
925d TASK4=execute-SPATH
•
•
•
925e TASK61=set-CONTROL-System-192.168.9.201
925f TASK62=execute-CONTROL
925g TASK63=execute-SPATH
•
•
•
925h TASK108=close
925i TASK109=set-CONTROL-Server-Server1
925j TASK110=set-CONTROL-System-192.168.8.200
925k TASK111=execute-CONTROL
925l TASK112=execute-SPATH
•
•
•

FIG. 3O

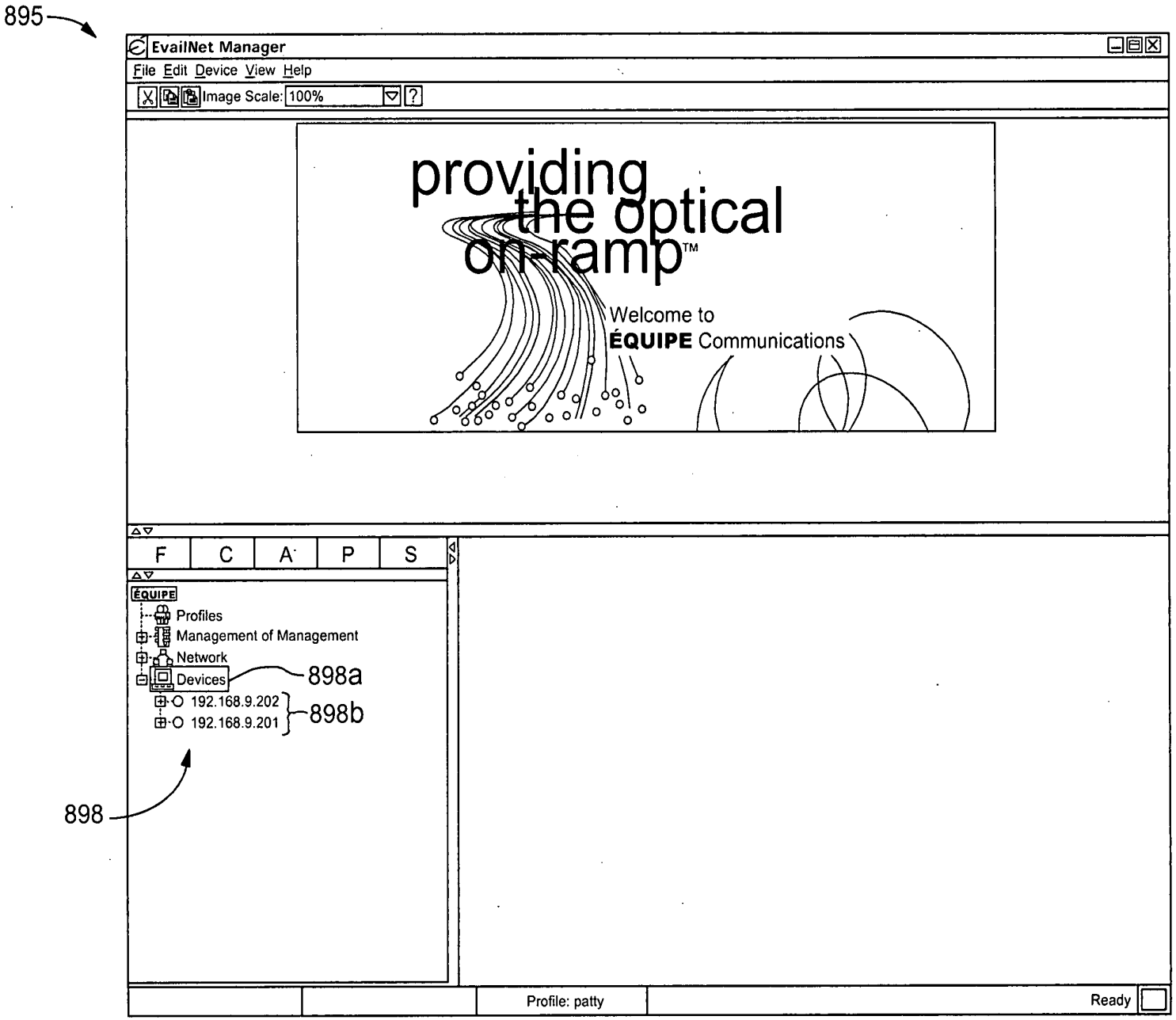

895
EvailNet Manager
File Edit Device View Help
Image Scale: 100%
providing the optical on-ramp™
Welcome to
ÉQUIPE Communications
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.201
898b
898
Profile: patty
Ready

FIG. 4A

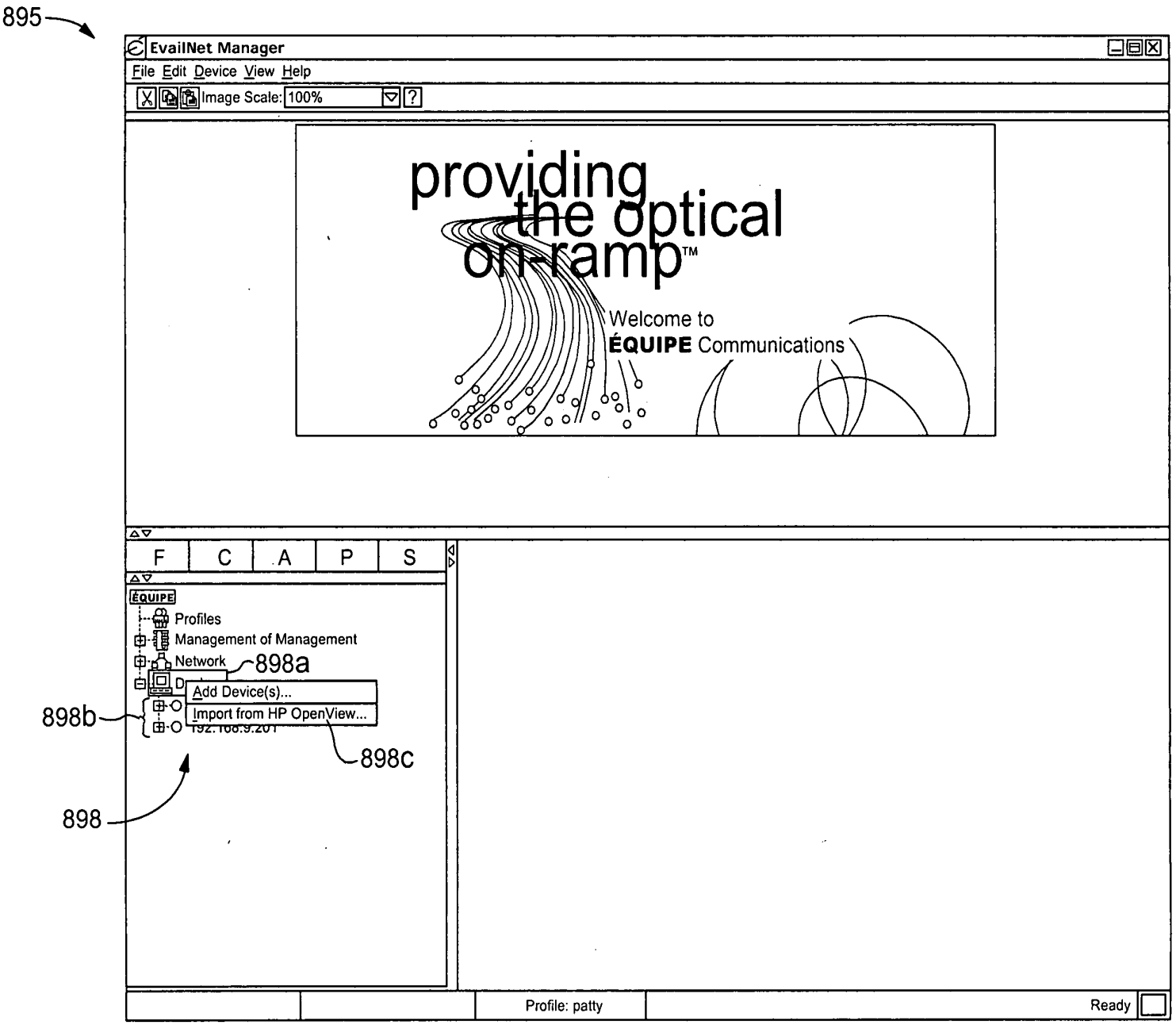

895
EvailNet Manager
File Edit Device View Help
Image Scale: 100%
providing the optical on-ramp™
Welcome to
ÉQUIPE Communications
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
898a
Add Device(s)...
Import from HP OpenView...
898b
898c
898
Profile: patty
Ready

FIG. 4B

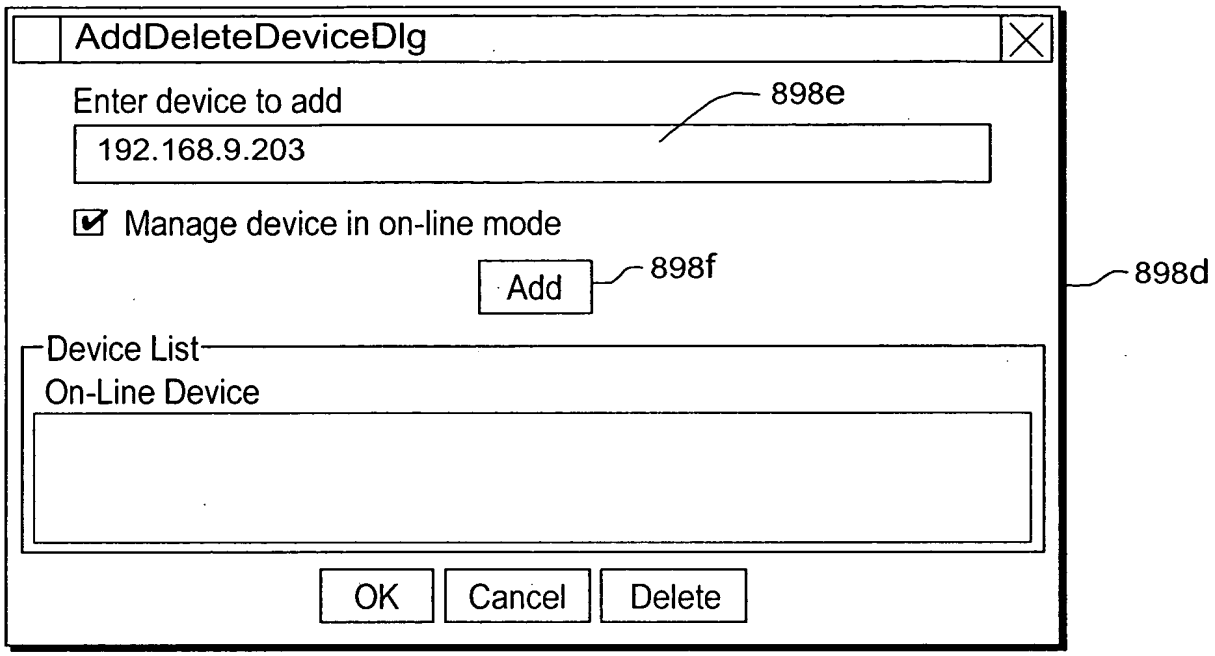

AddDeleteDeviceDlg
Enter device to add
898e
192.168.9.203
Manage device in on-line mode
Add
898f
898d
Device List
On-Line Device
OK
Cancel
Delete

FIG. 4C

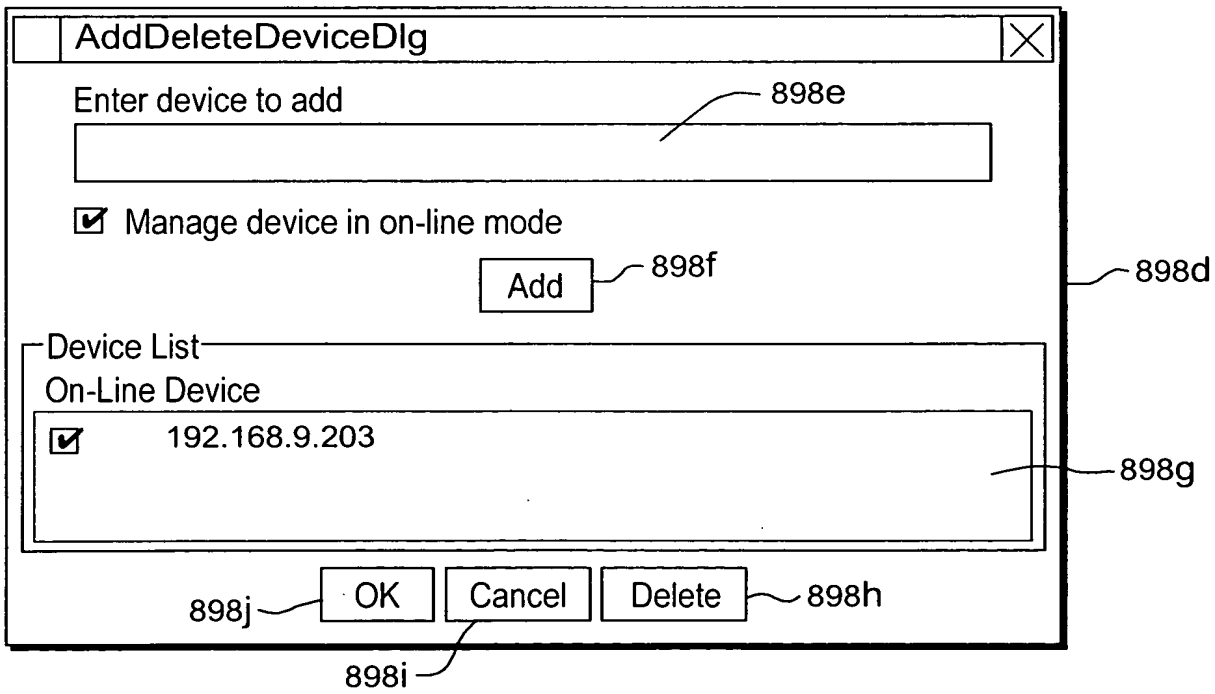

AddDeleteDeviceDlg
Enter device to add
898e
Manage device in on-line mode
Add
898f
898d
Device List
On-Line Device
192.168.9.203
898g
898j
OK
Cancel
Delete
898h
898i

FIG. 4D

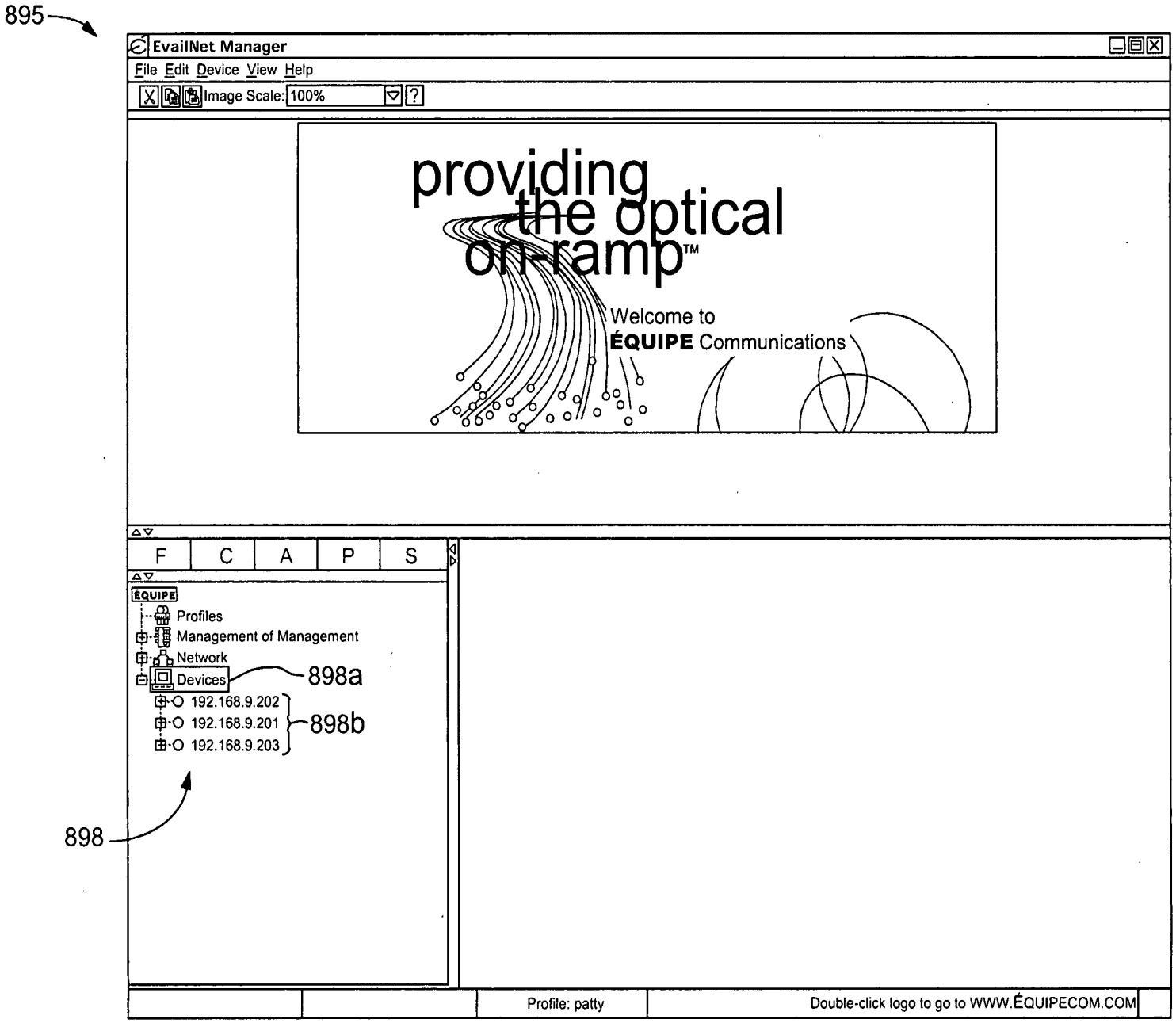

895
EvailNet Manager
File Edit Device View Help
Image Scale: 100%
providing the optical on-ramp™
Welcome to
ÉQUIPE Communications
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.201
192.168.9.203
898b
898
Profile: patty
Double-click logo to go to WWW.ÉQUIPECOM.COM

FIG. 4E

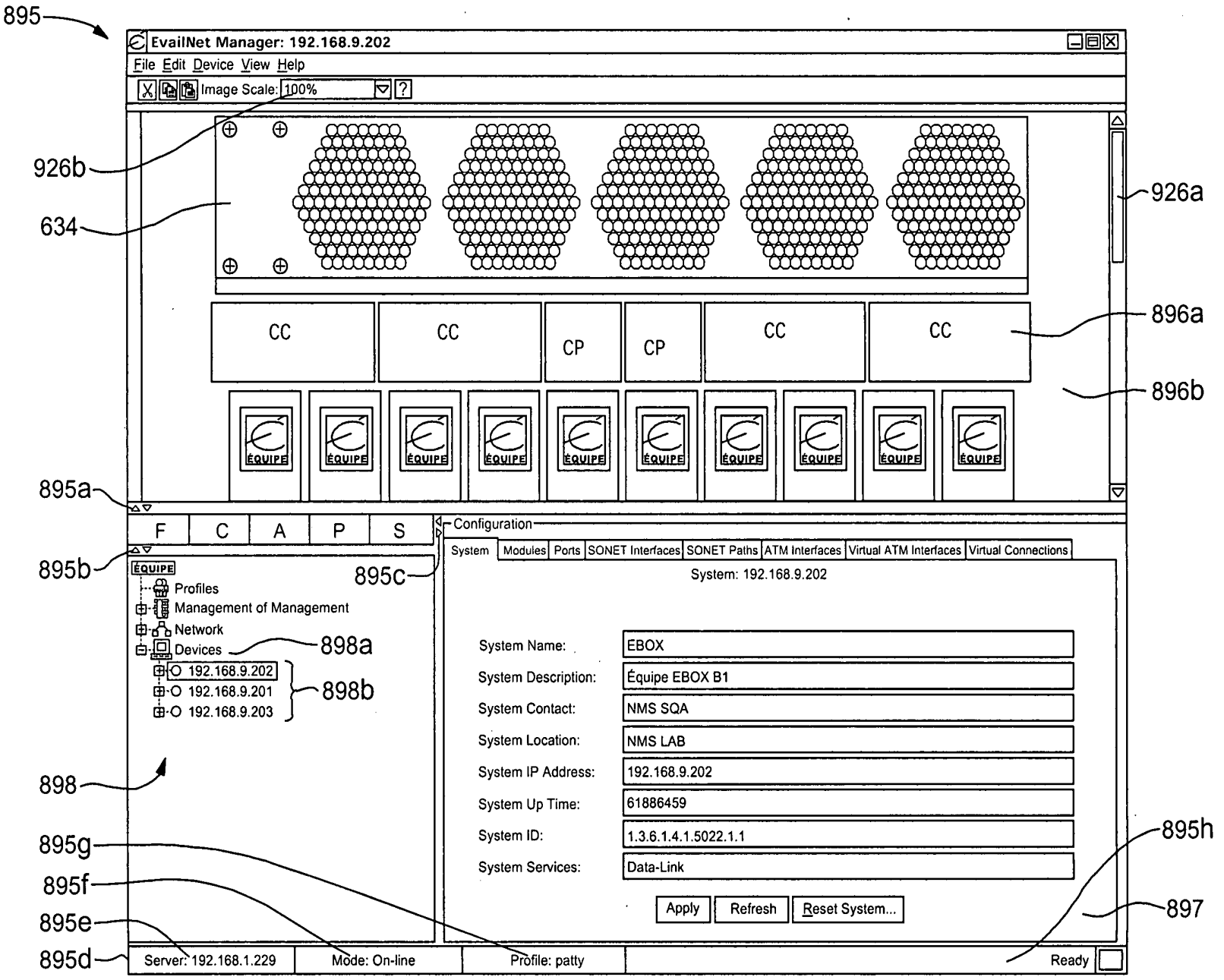

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
926b
634
926a
CC
CC
CP
CP
CC
CC
896a
896b
ÉQUIPE
895a
F C A P S
895b
895c
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.202
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.201
192.168.9.203
898b
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 61886459
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
898
895g
895f
895e
895d
895h
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4F

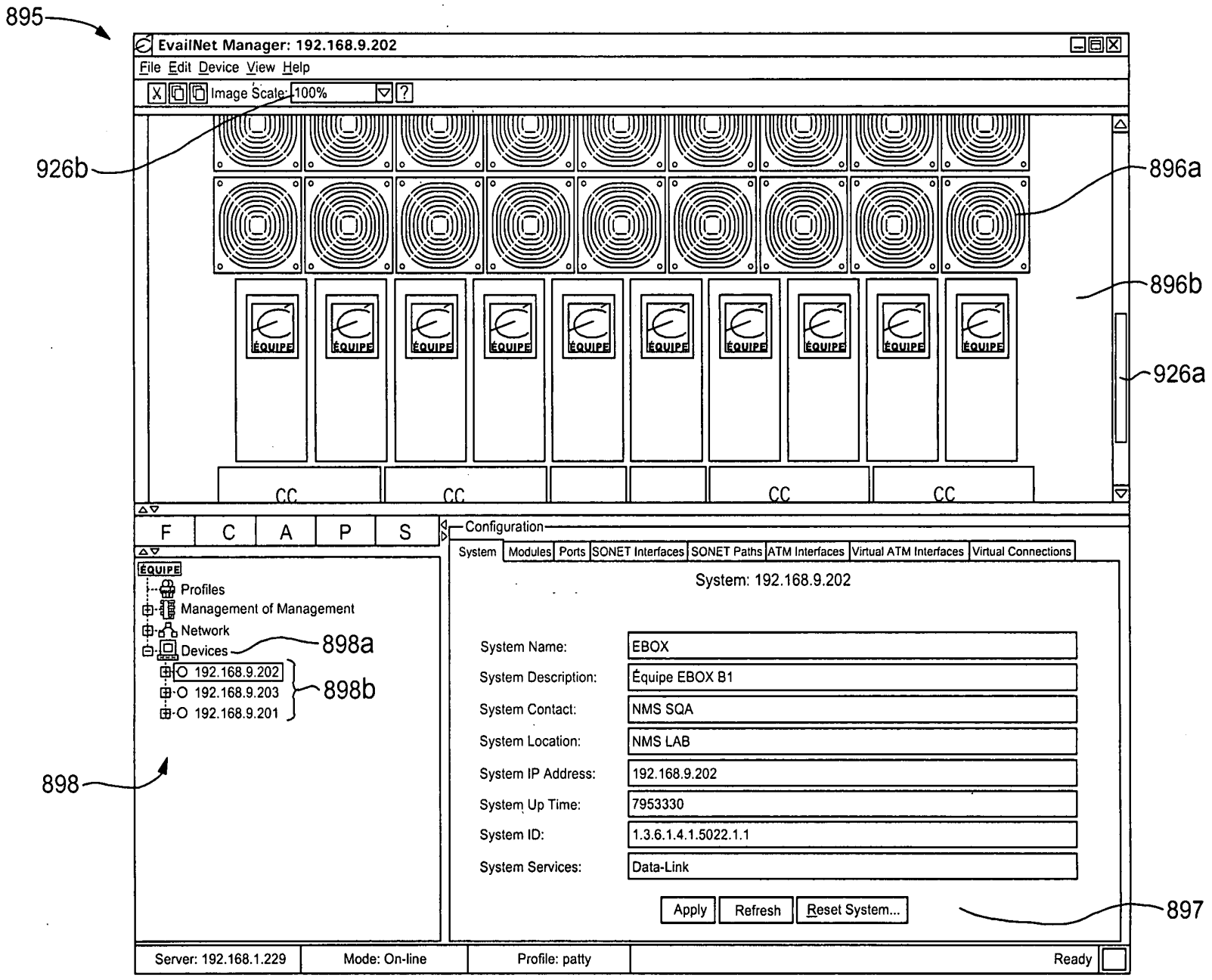

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
926b
896a
896b
926a
ÉQUIPE
CC
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4G

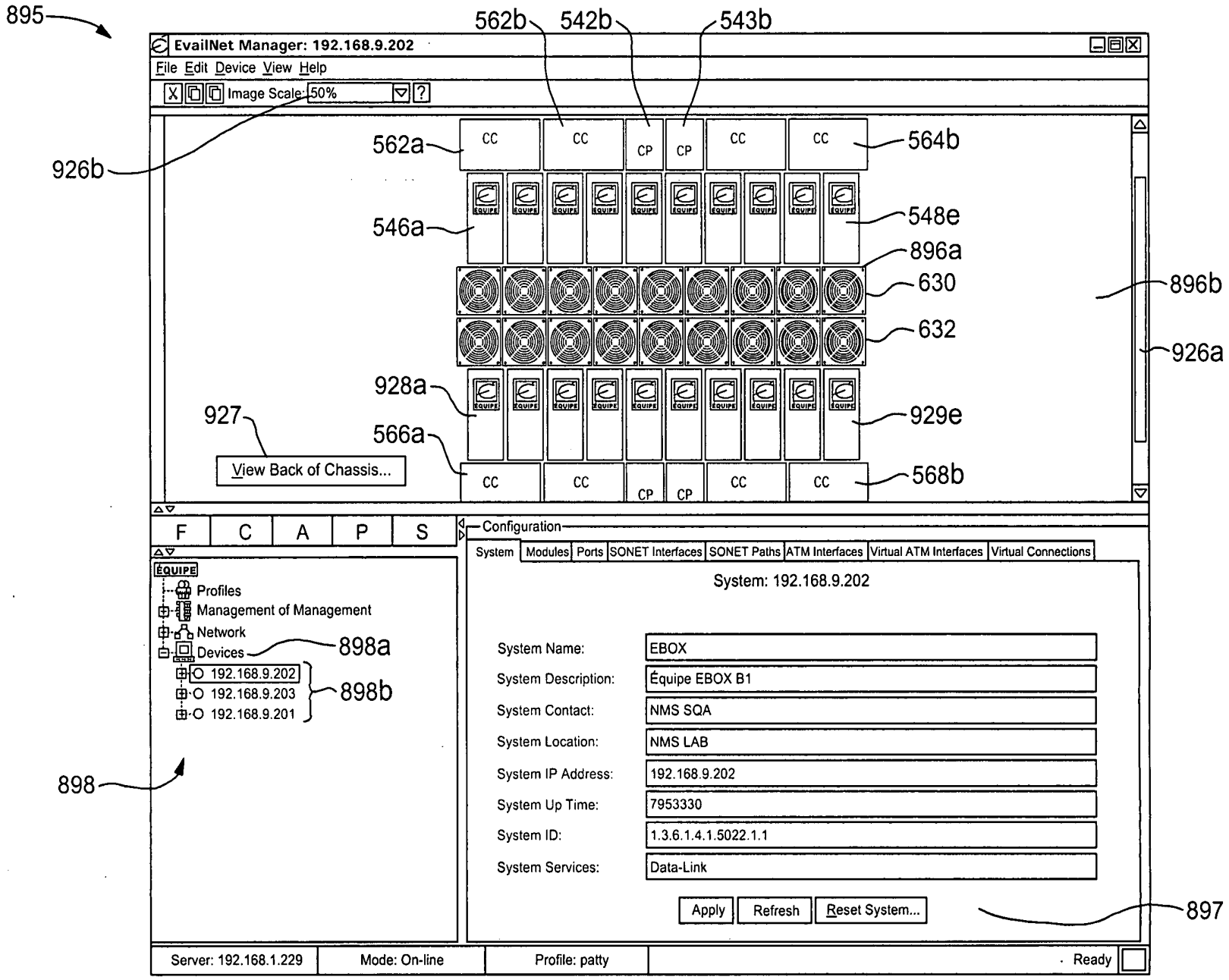

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 50%
562b
542b
543b
926b
562a
564b
546a
548e
896a
630
632
896b
926a
928a
927
929e
566a
View Back of Chassis...
568b
CC
CP
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.202
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4H

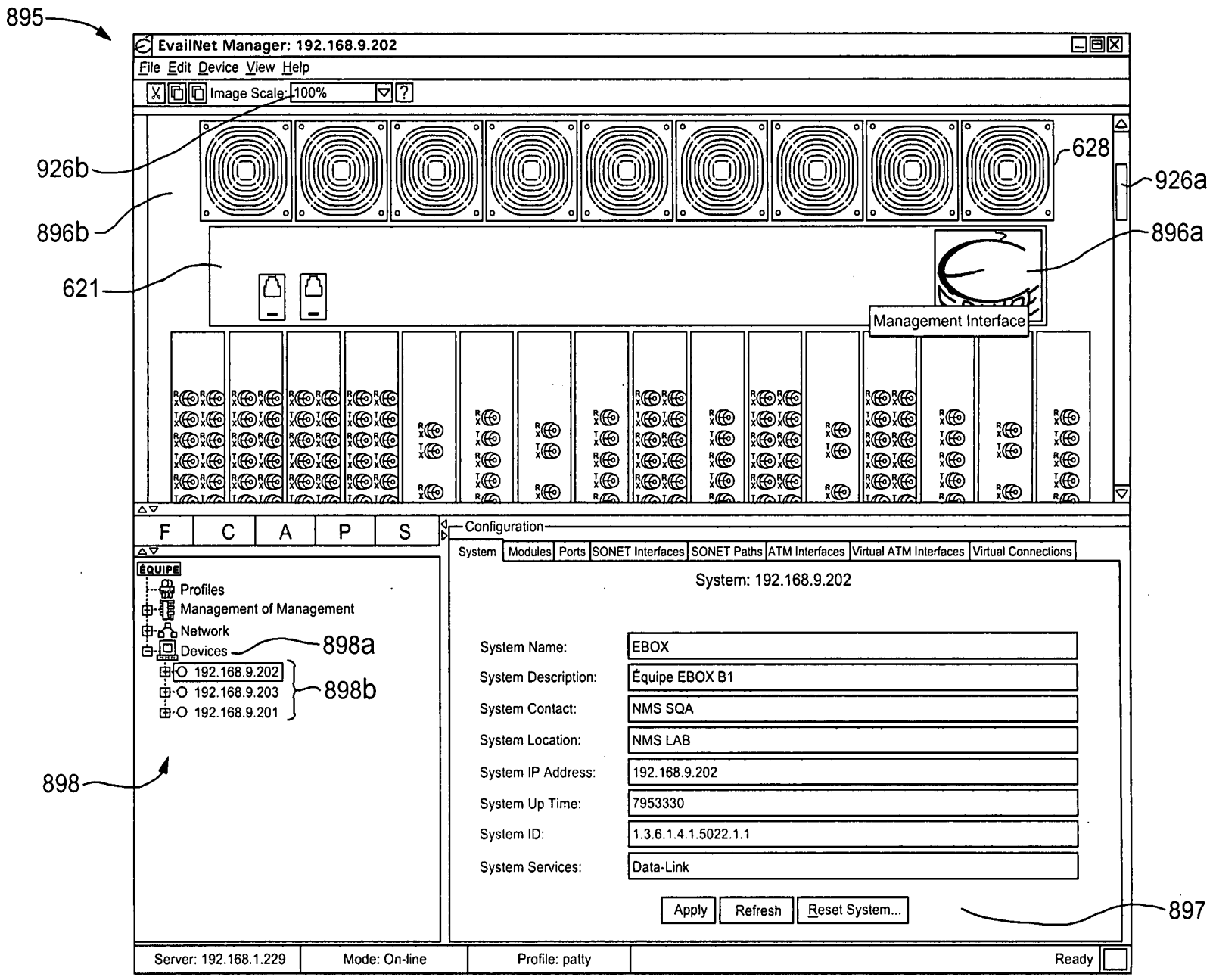

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
926b
896b
621
628
926a
896a
Management Interface
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4I

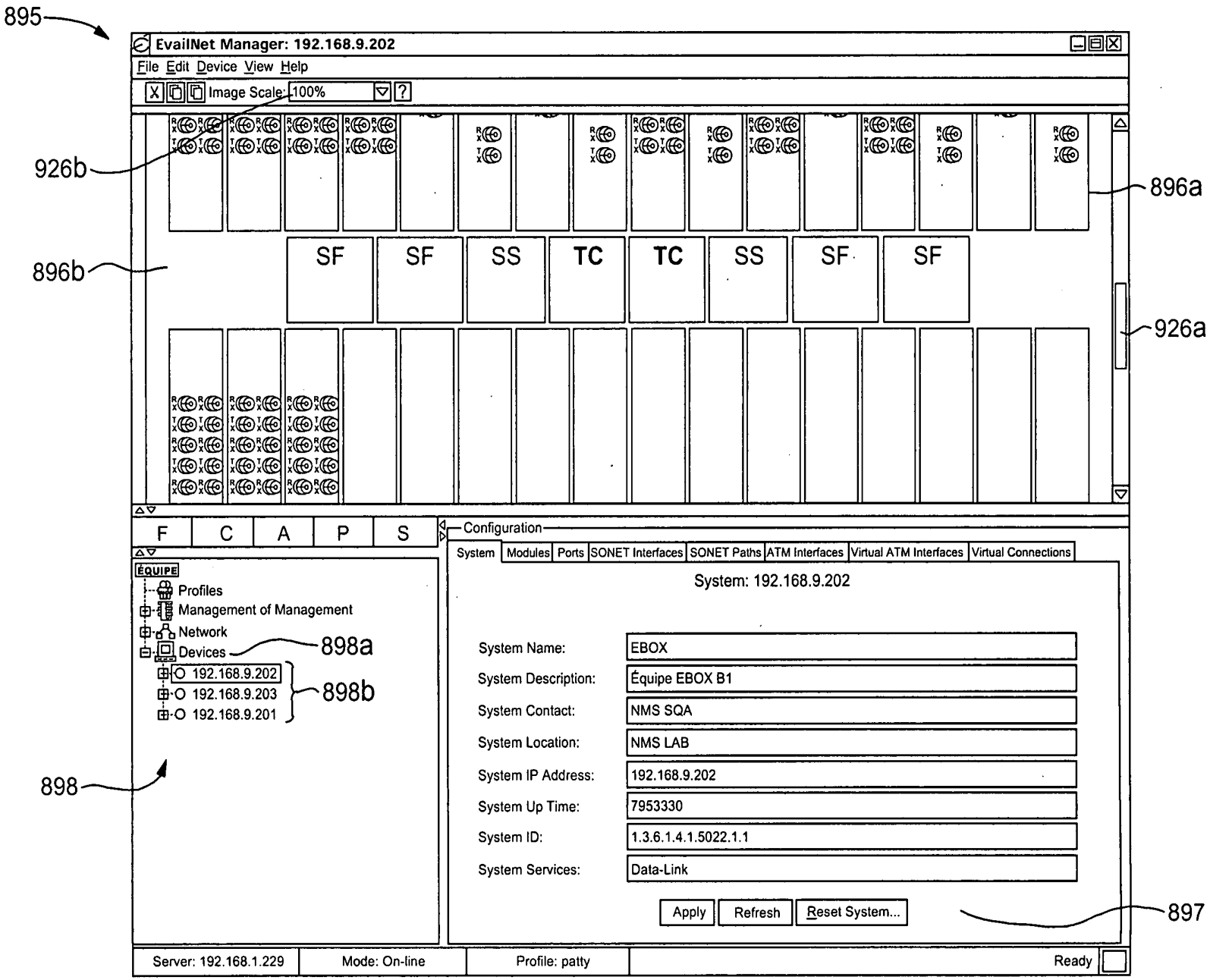

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
926b
896a
896b
SF
SF
SS
TC
TC
SS
SF
SF
926a
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4J

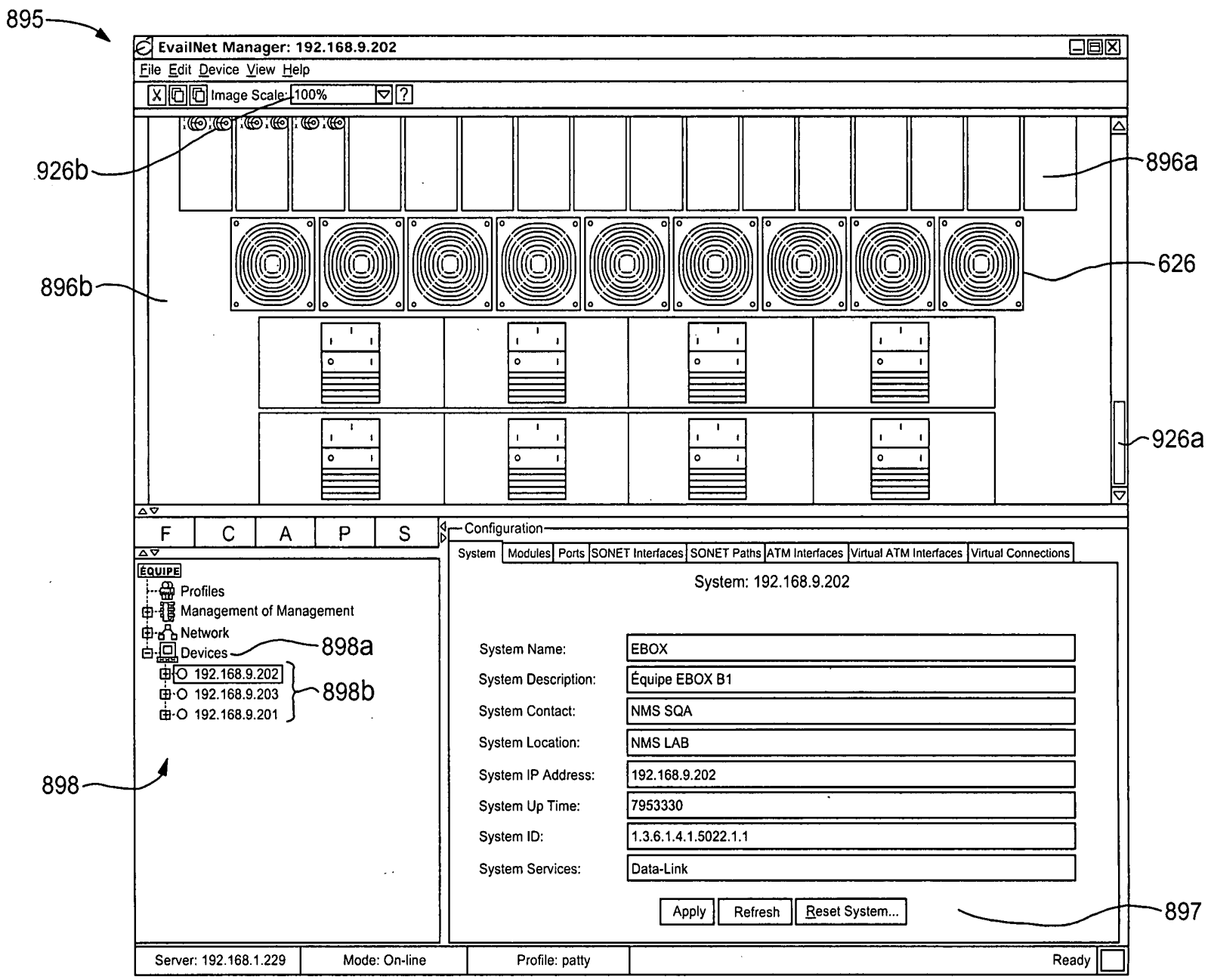

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
926b
896a
896b
626
926a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4K

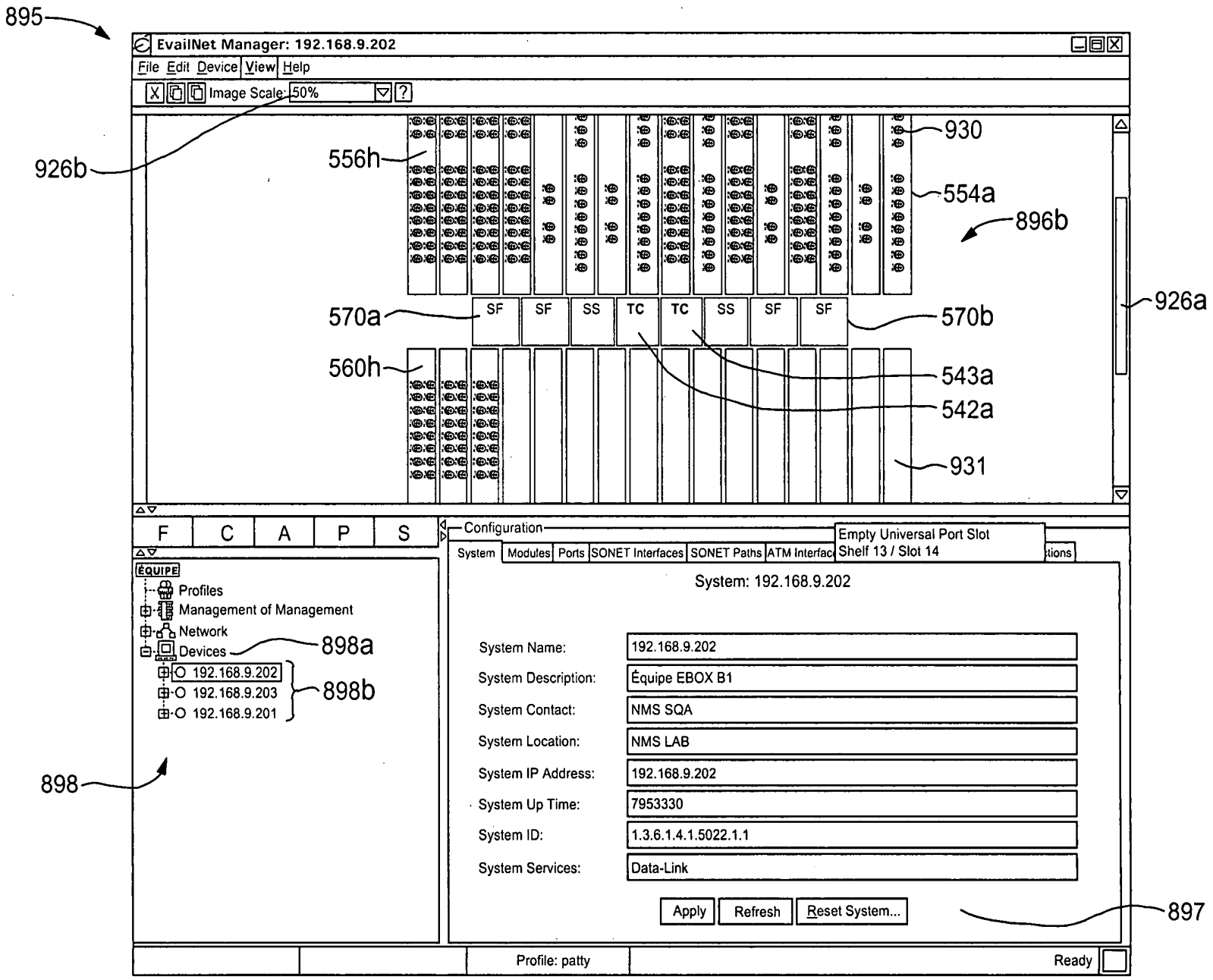

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 50%
926b
556h
930
554a
896b
926a
570a
SF SF SS TC TC SS SF SF
570b
560h
543a
542a
931
F C A P S
Configuration
Empty Universal Port Slot
Shelf 13 / Slot 14
System Modules Ports SONET Interfaces SONET Paths ATM Interfac
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
System Name: 192.168.9.202
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
897
Profile: patty
Ready

FIG. 4L

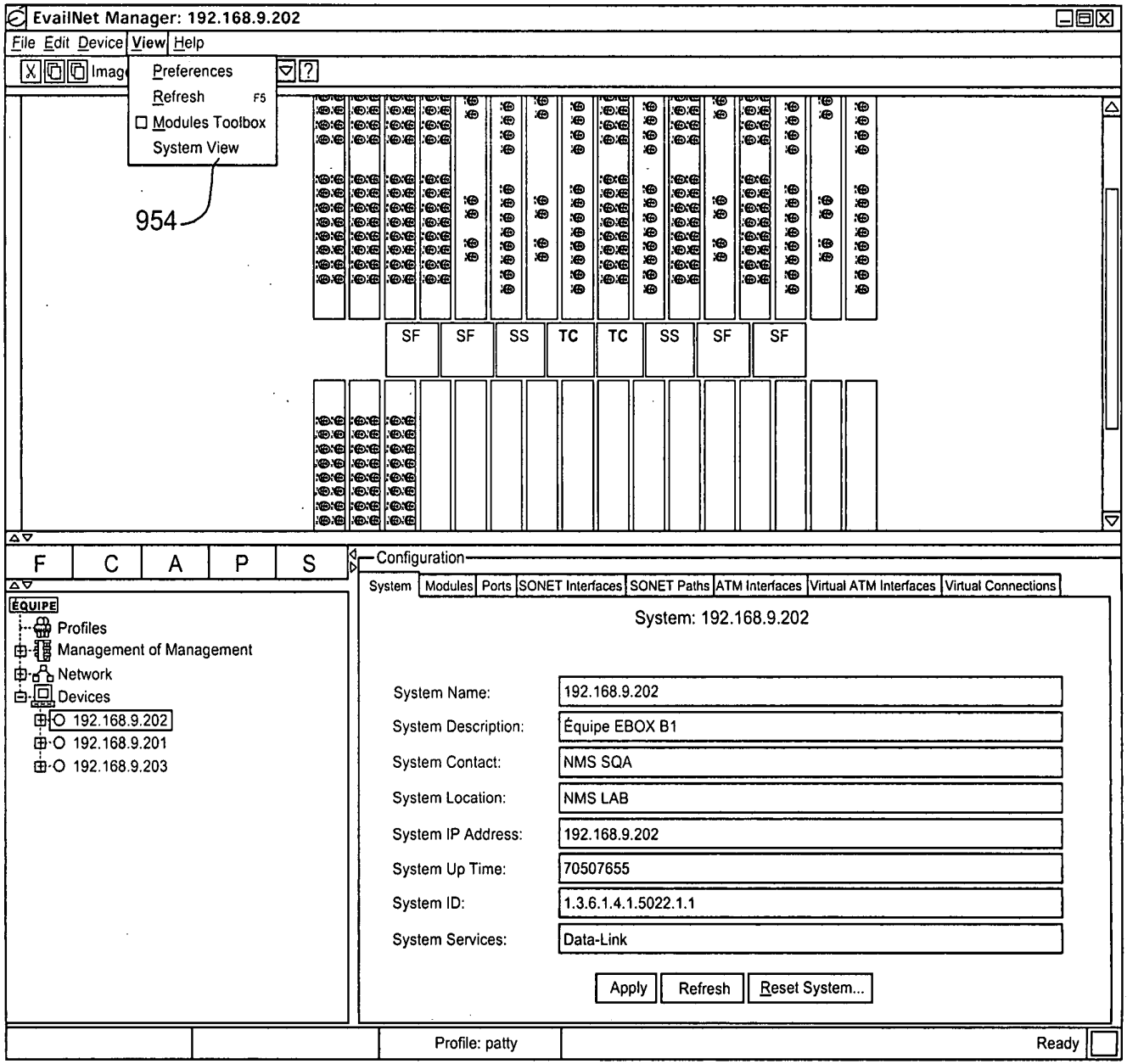

EvailNet Manager: 192.168.9.202
File Edit Device View Help
Preferences
Refresh F5
Modules Toolbox
System View
954
SF SF SS TC TC SS SF SF
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
192.168.9.203
System: 192.168.9.202
System Name: 192.168.9.202
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 70507655
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
Profile: patty
Ready

FIG. 4M

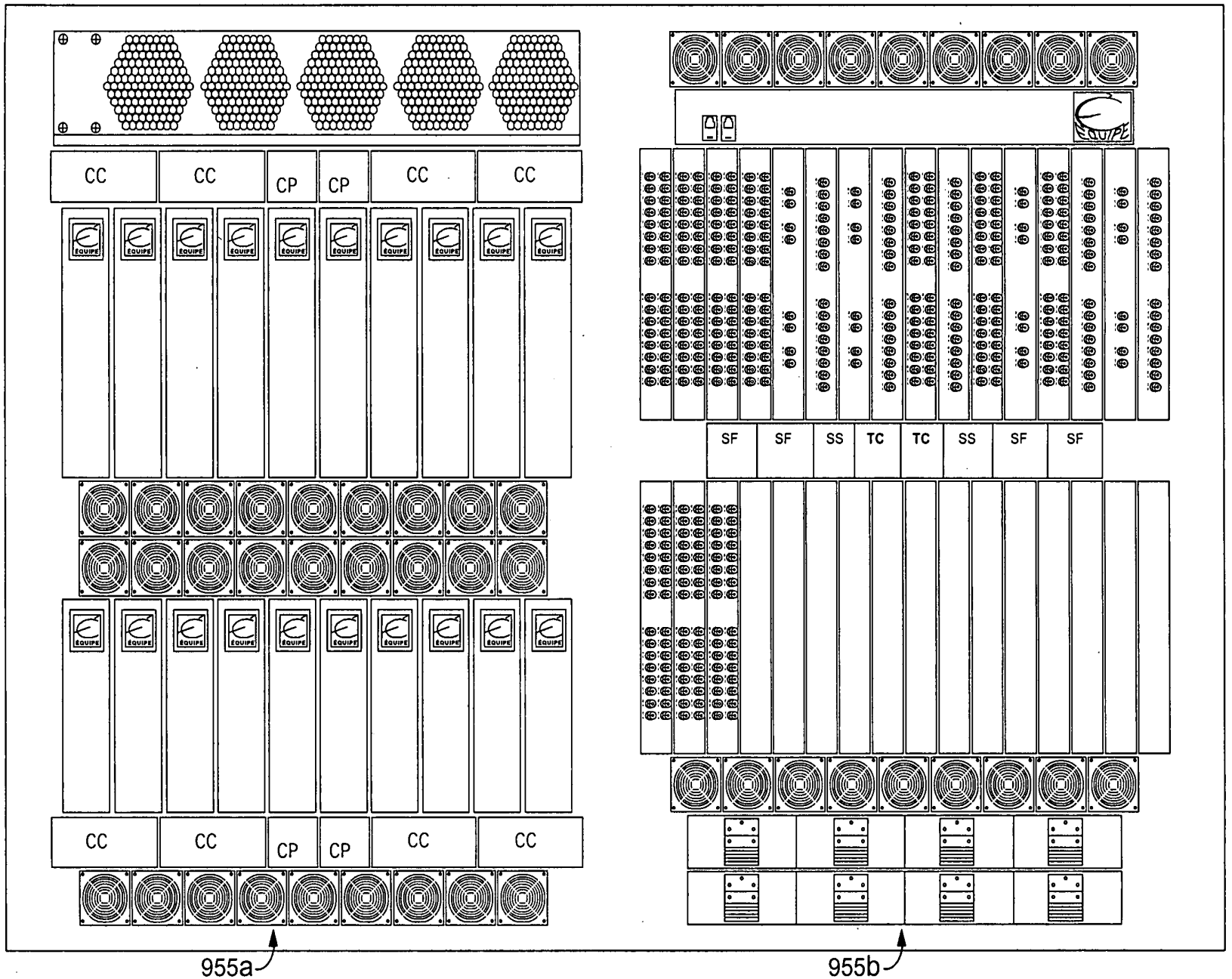

955
CC
CC
CP
CP
CC
CC
SF
SF
SS
TC
TC
SS
SF
SF
CC
CC
CP
CP
CC
CC
955a
955b

FIG. 4N

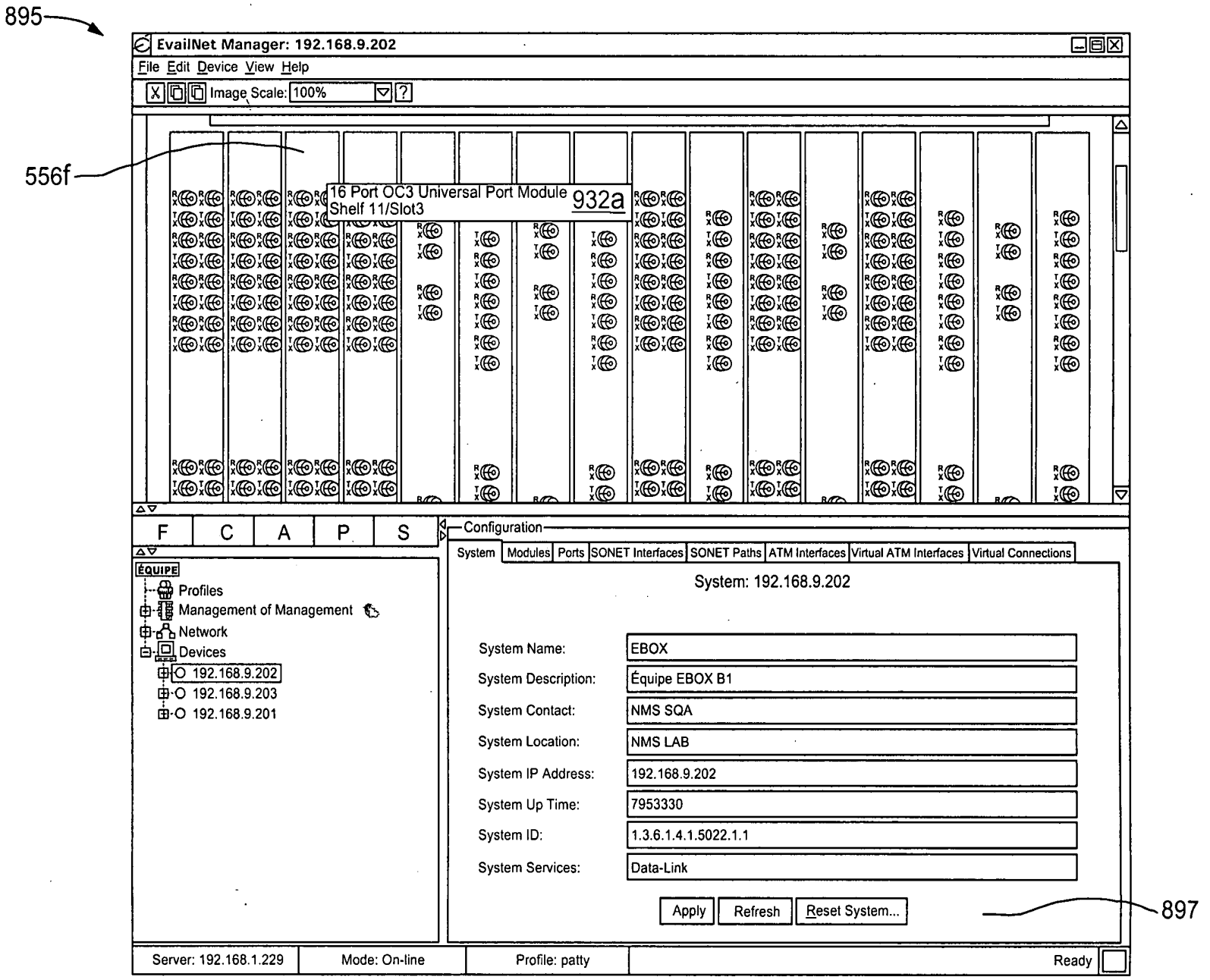

895
556f
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
16 Port OC3 Universal Port Module
Shelf 11/Slot3
932a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG: 4O

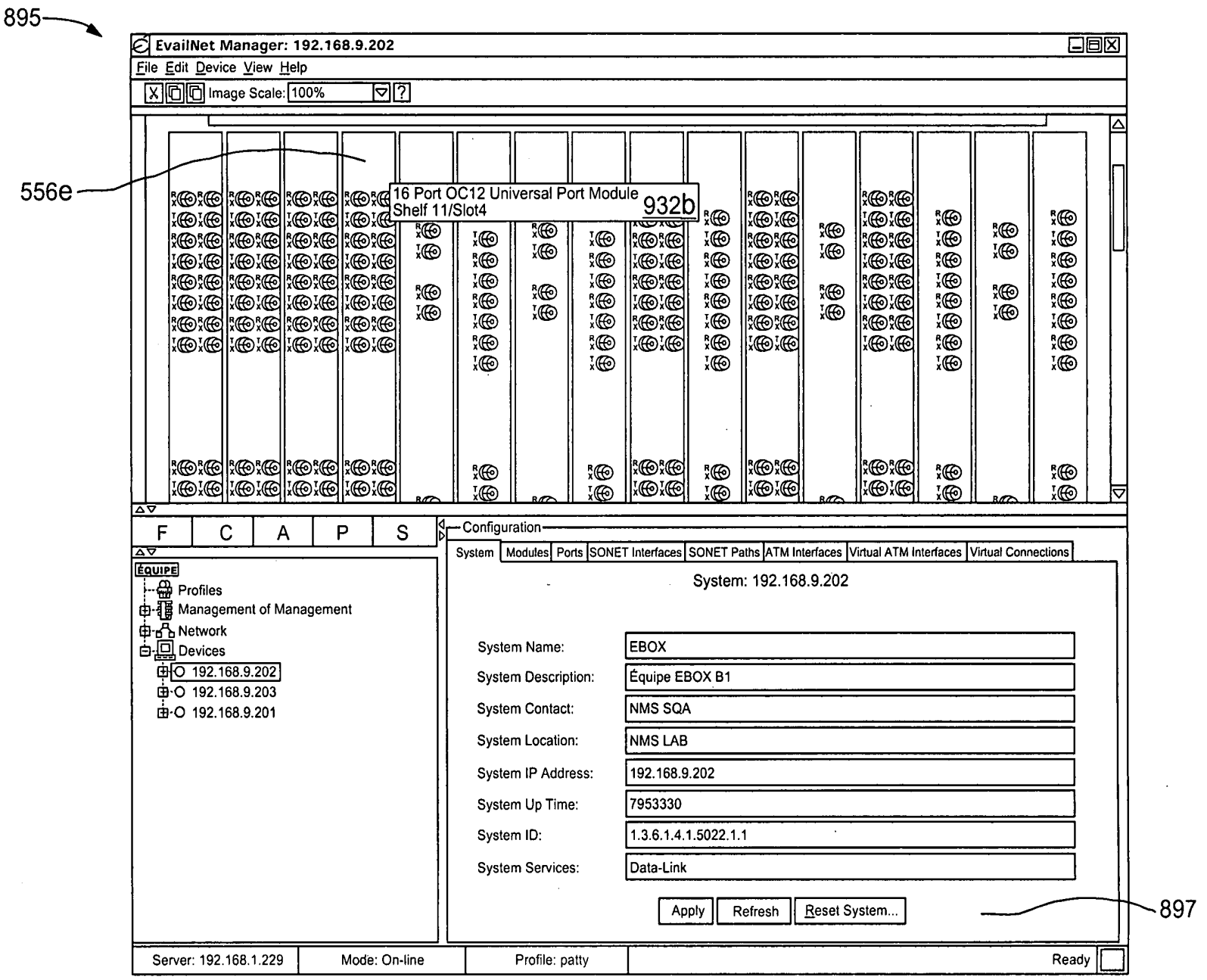

895
556e
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
16 Port OC12 Universal Port Module
Shelf 11/Slot4
932b
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4P

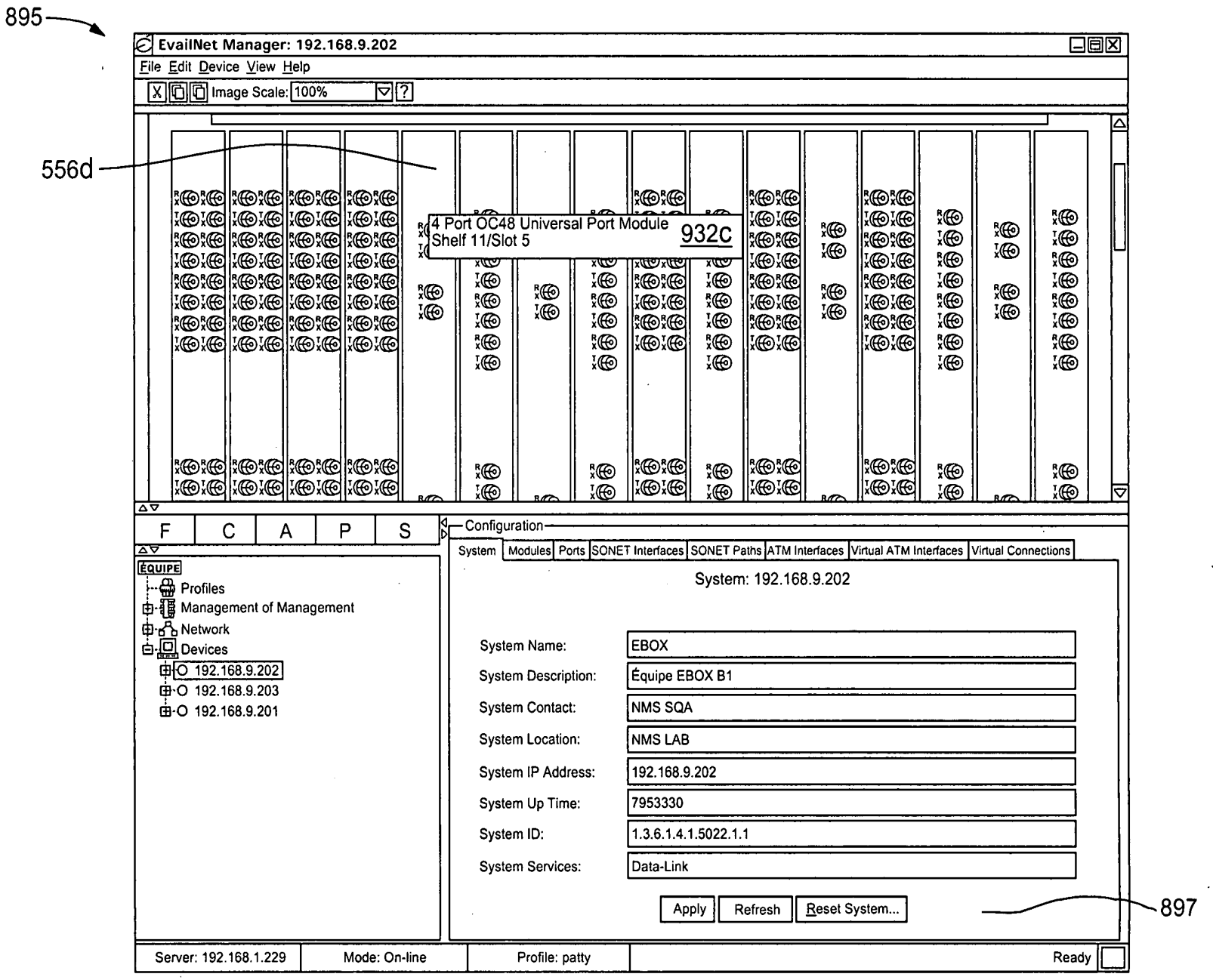

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556d
4 Port OC48 Universal Port Module
Shelf 11/Slot 5
932c
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4Q

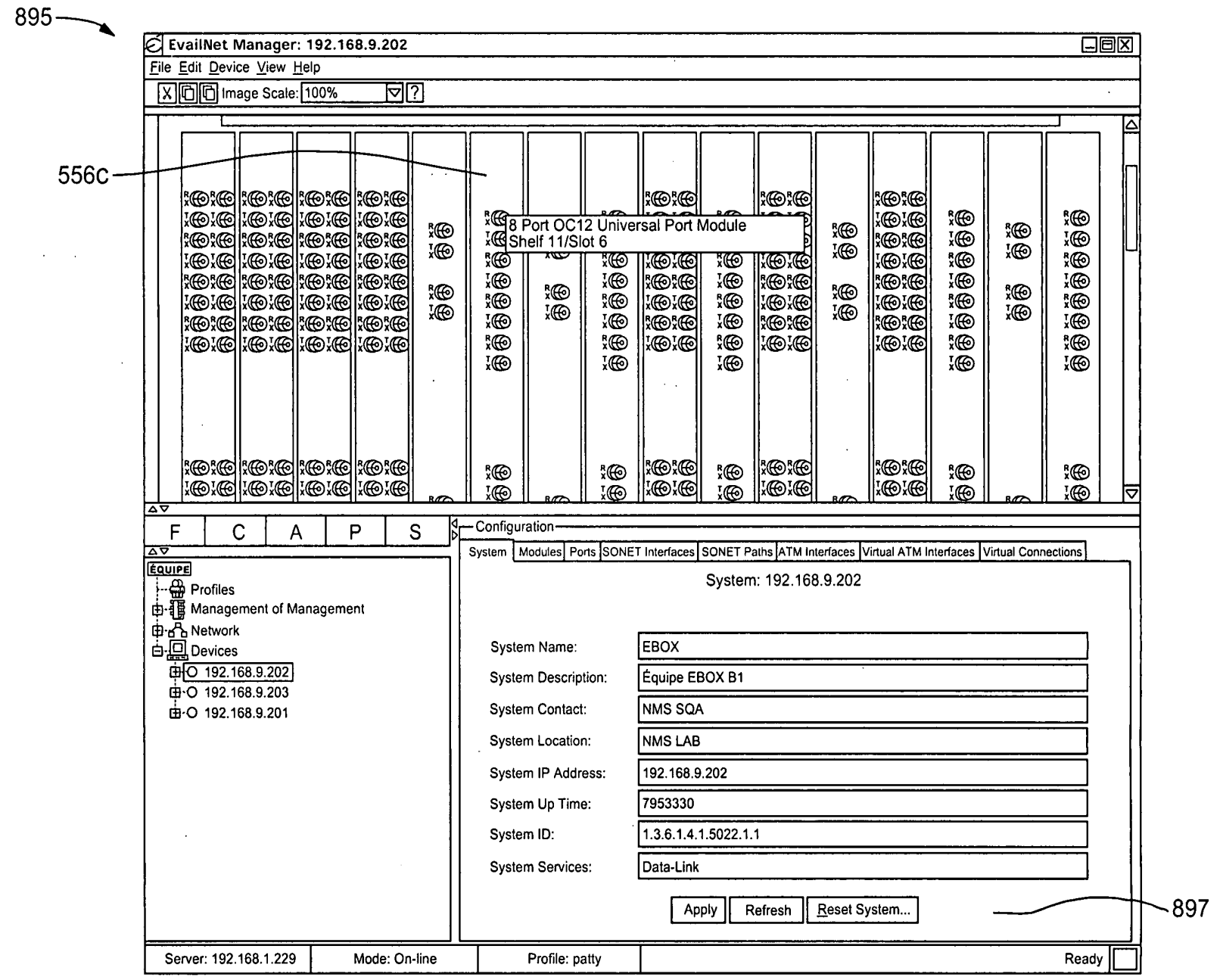

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556c
8 Port OC12 Universal Port Module
Shelf 11/Slot 6
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4R

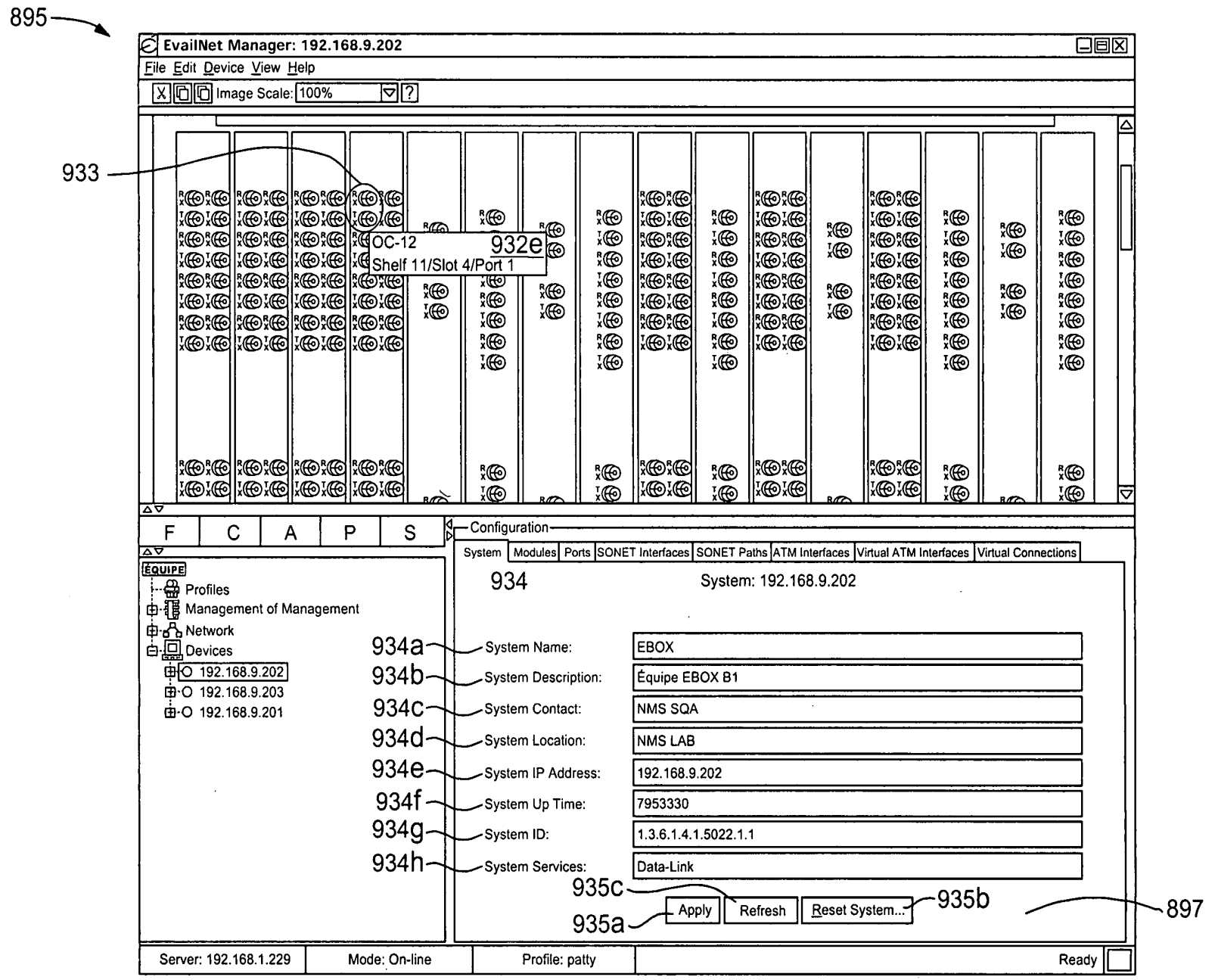

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
933
OC-12
Shelf 11/Slot 4/Port 1
932e
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
934
System: 192.168.9.202
934a
System Name:
EBOX
934b
System Description:
Équipe EBOX B1
934c
System Contact:
NMS SQA
934d
System Location:
NMS LAB
934e
System IP Address:
192.168.9.202
934f
System Up Time:
7953330
934g
System ID:
1.3.6.1.4.1.5022.1.1
934h
System Services:
Data-Link
935c
935a
Apply
Refresh
Reset System...
935b
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4S

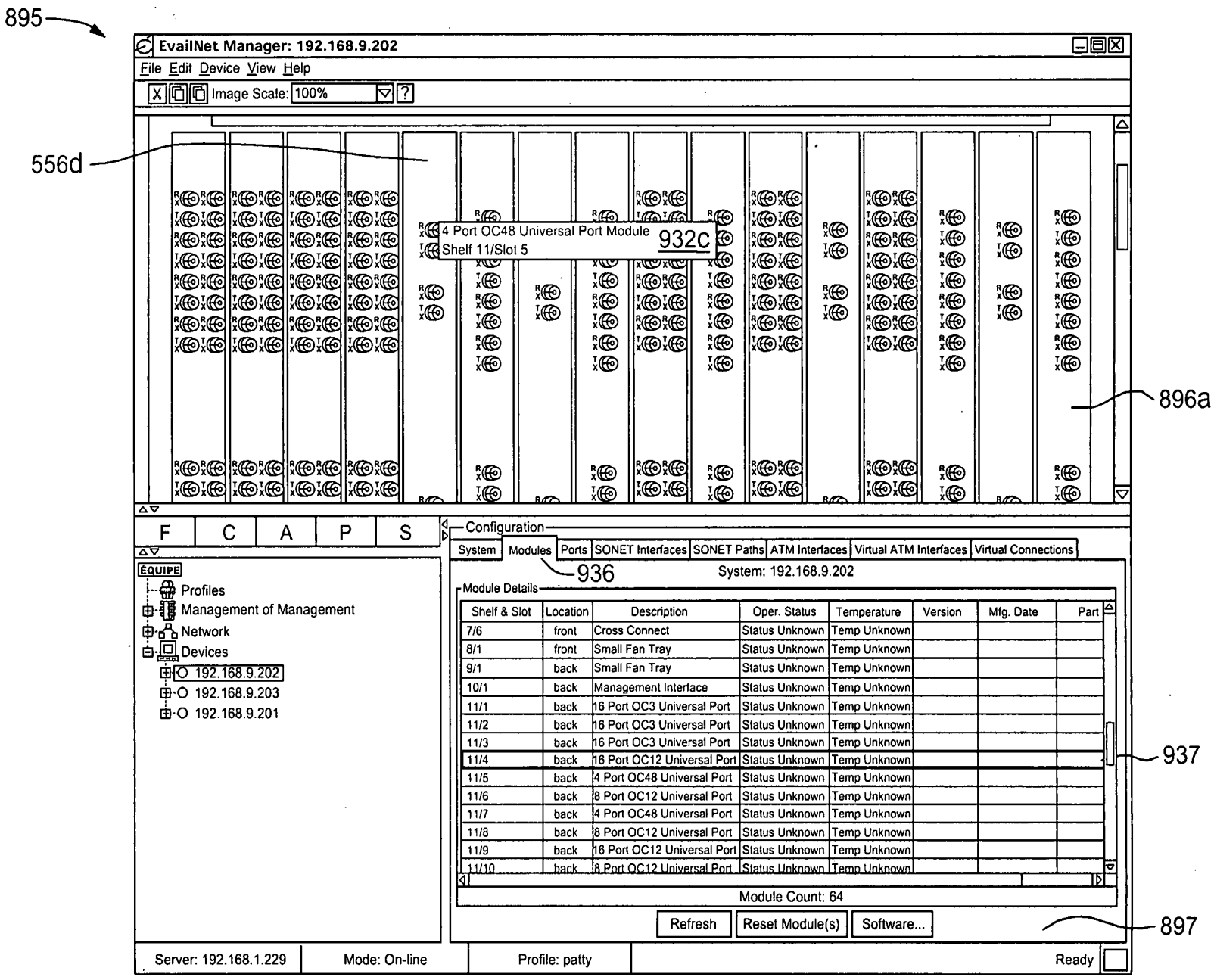

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556d
4 Port OC48 Universal Port Module
Shelf 11/Slot 5
932c
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
936
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
Module Details
Shelf & Slot | Location | Description | Oper. Status | Temperature | Version | Mfg. Date | Part
7/6 front Cross Connect Status Unknown Temp Unknown
8/1 front Small Fan Tray Status Unknown Temp Unknown
9/1 back Small Fan Tray Status Unknown Temp Unknown
10/1 back Management Interface Status Unknown Temp Unknown
11/1 back 16 Port OC3 Universal Port Status Unknown Temp Unknown
11/2 back 16 Port OC3 Universal Port Status Unknown Temp Unknown
11/3 back 16 Port OC3 Universal Port Status Unknown Temp Unknown
11/4 back 16 Port OC12 Universal Port Status Unknown Temp Unknown
11/5 back 4 Port OC48 Universal Port Status Unknown Temp Unknown
11/6 back 8 Port OC12 Universal Port Status Unknown Temp Unknown
11/7 back 4 Port OC48 Universal Port Status Unknown Temp Unknown
11/8 back 8 Port OC12 Universal Port Status Unknown Temp Unknown
11/9 back 16 Port OC12 Universal Port Status Unknown Temp Unknown
11/10 back 8 Port OC12 Universal Port Status Unknown Temp Unknown
937
Module Count: 64
Refresh Reset Module(s) Software...
897
Server: 192.168.1.229 Mode: On-line Profile: patty Ready

FIG. 4T

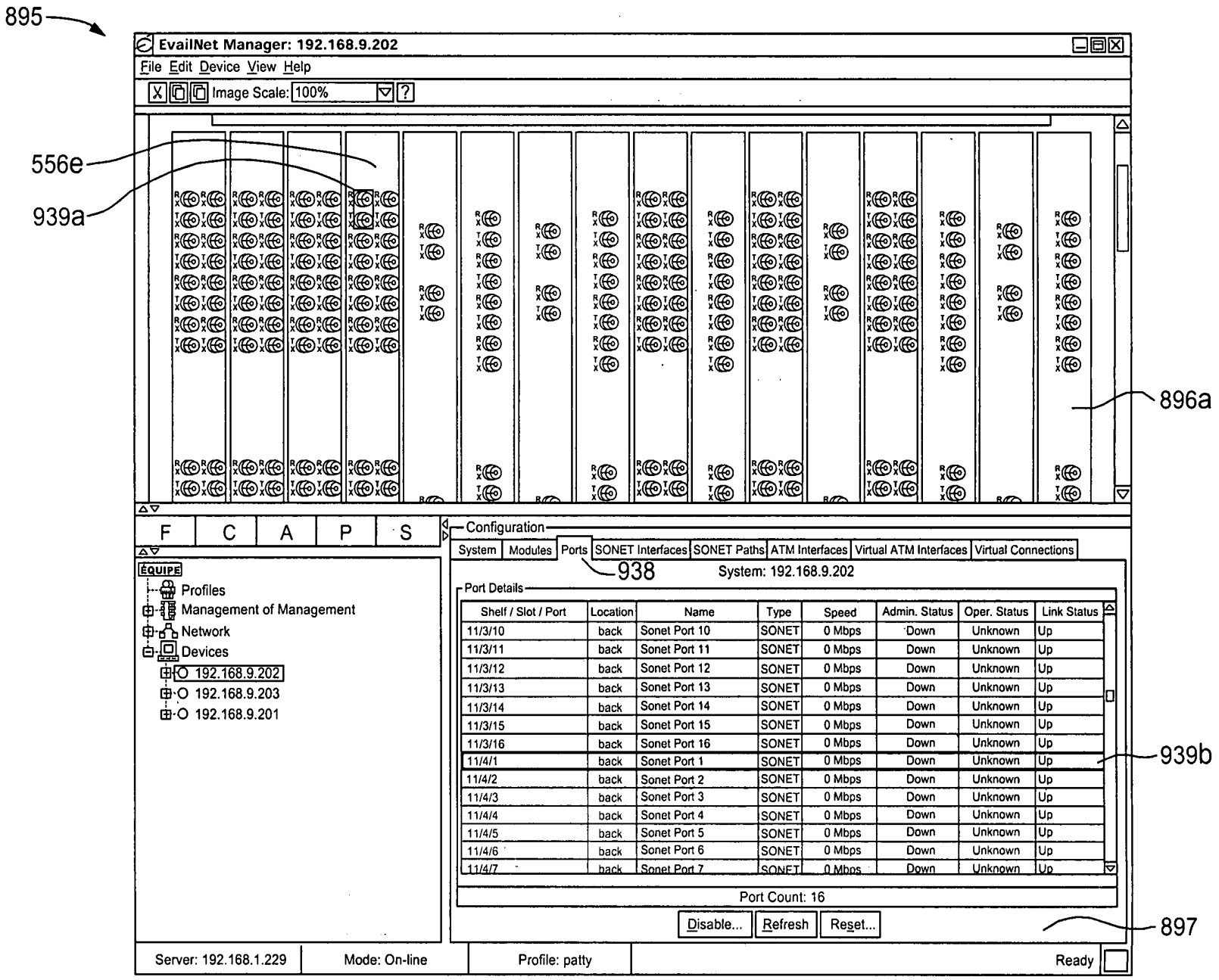

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556e
939a
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
938
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
Port Details
Shelf / Slot / Port | Location | Name | Type | Speed | Admin. Status | Oper. Status | Link Status
11/3/10 back Sonet Port 10 SONET 0 Mbps Down Unknown Up
11/3/11 back Sonet Port 11 SONET 0 Mbps Down Unknown Up
11/3/12 back Sonet Port 12 SONET 0 Mbps Down Unknown Up
11/3/13 back Sonet Port 13 SONET 0 Mbps Down Unknown Up
11/3/14 back Sonet Port 14 SONET 0 Mbps Down Unknown Up
11/3/15 back Sonet Port 15 SONET 0 Mbps Down Unknown Up
11/3/16 back Sonet Port 16 SONET 0 Mbps Down Unknown Up
11/4/1 back Sonet Port 1 SONET 0 Mbps Down Unknown Up
11/4/2 back Sonet Port 2 SONET 0 Mbps Down Unknown Up
11/4/3 back Sonet Port 3 SONET 0 Mbps Down Unknown Up
11/4/4 back Sonet Port 4 SONET 0 Mbps Down Unknown Up
11/4/5 back Sonet Port 5 SONET 0 Mbps Down Unknown Up
11/4/6 back Sonet Port 6 SONET 0 Mbps Down Unknown Up
11/4/7 back Sonet Port 7 SONET 0 Mbps Down Unknown Up
939b
Port Count: 16
Disable... Refresh Reset...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4U

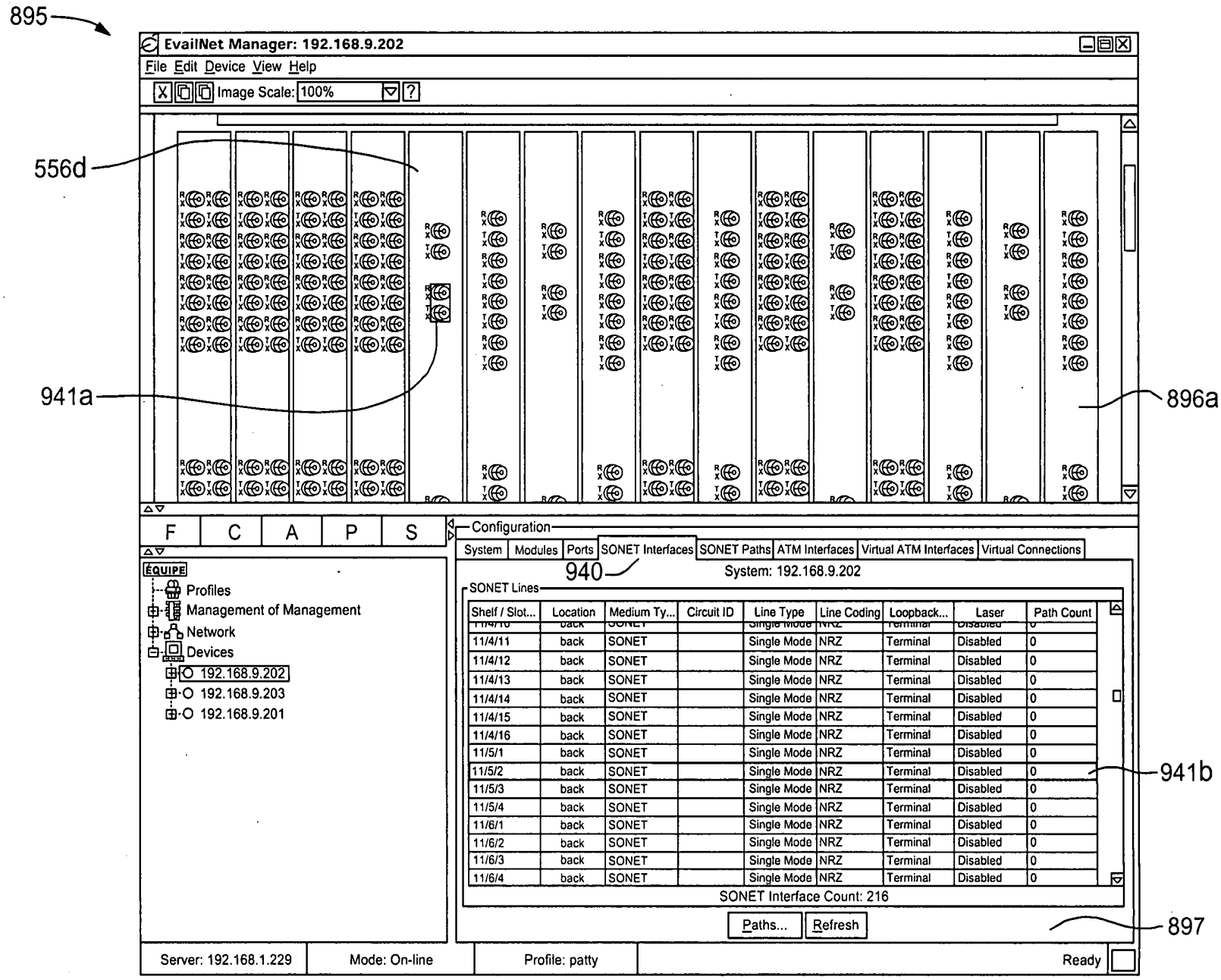

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556d
941a
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
940
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
SONET Lines
Shelf / Slot... Location Medium Ty... Circuit ID Line Type Line Coding Loopback... Laser Path Count
11/4/11 back SONET Single Mode NRZ Terminal Disabled 0
11/4/12 back SONET Single Mode NRZ Terminal Disabled 0
11/4/13 back SONET Single Mode NRZ Terminal Disabled 0
11/4/14 back SONET Single Mode NRZ Terminal Disabled 0
11/4/15 back SONET Single Mode NRZ Terminal Disabled 0
11/4/16 back SONET Single Mode NRZ Terminal Disabled 0
11/5/1 back SONET Single Mode NRZ Terminal Disabled 0
11/5/2 back SONET Single Mode NRZ Terminal Disabled 0
11/5/3 back SONET Single Mode NRZ Terminal Disabled 0
11/5/4 back SONET Single Mode NRZ Terminal Disabled 0
11/6/1 back SONET Single Mode NRZ Terminal Disabled 0
11/6/2 back SONET Single Mode NRZ Terminal Disabled 0
11/6/3 back SONET Single Mode NRZ Terminal Disabled 0
11/6/4 back SONET Single Mode NRZ Terminal Disabled 0
SONET Interface Count: 216
941b
Paths... Refresh
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4V

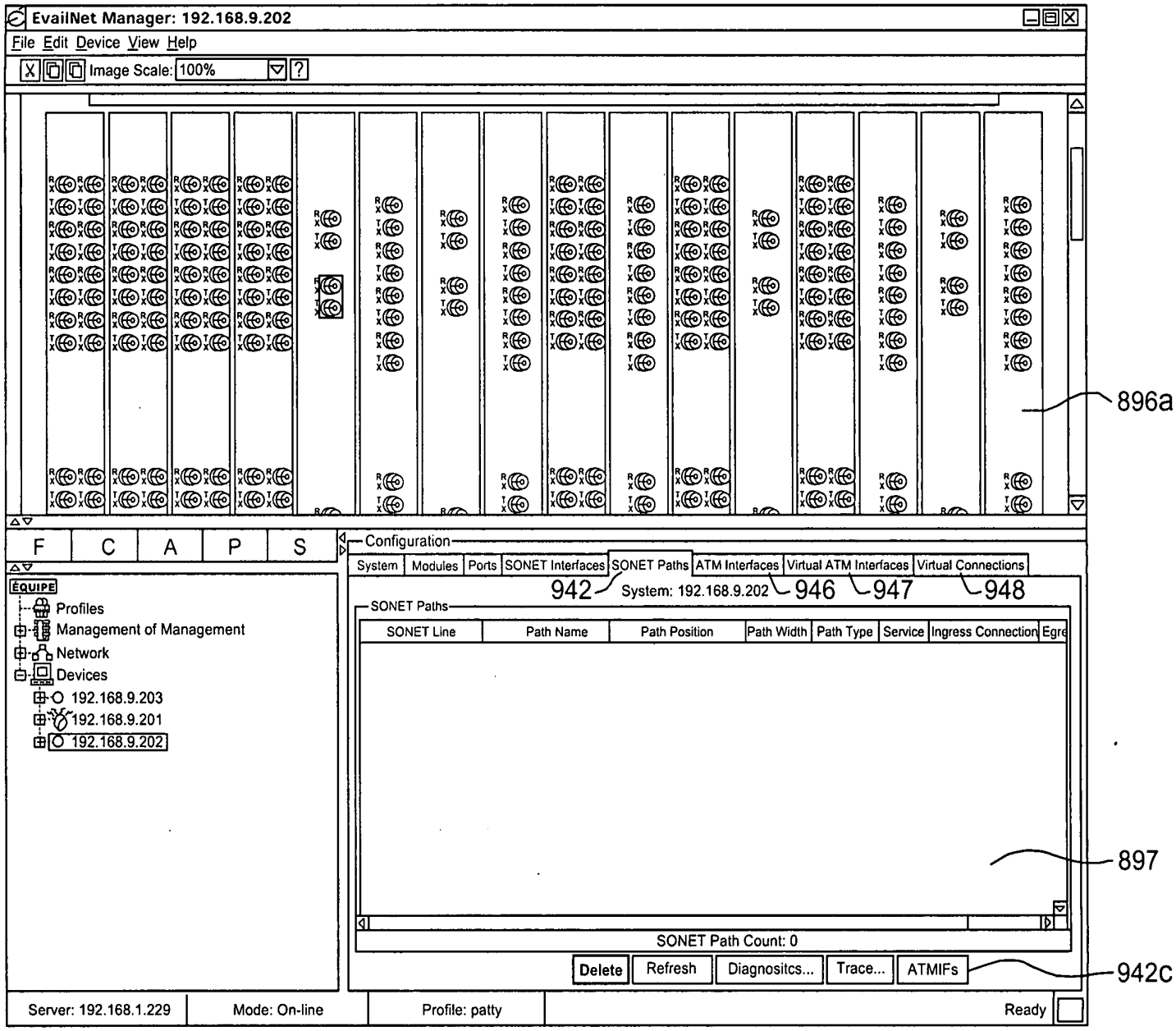

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
942
System: 192.168.9.202
946
947
948
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.203
192.168.9.201
192.168.9.202
SONET Paths
SONET Line
Path Name
Path Position
Path Width
Path Type
Service
Ingress Connection
Egre
897
SONET Path Count: 0
Delete
Refresh
Diagnositcs...
Trace...
ATMIFs
942c
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4W

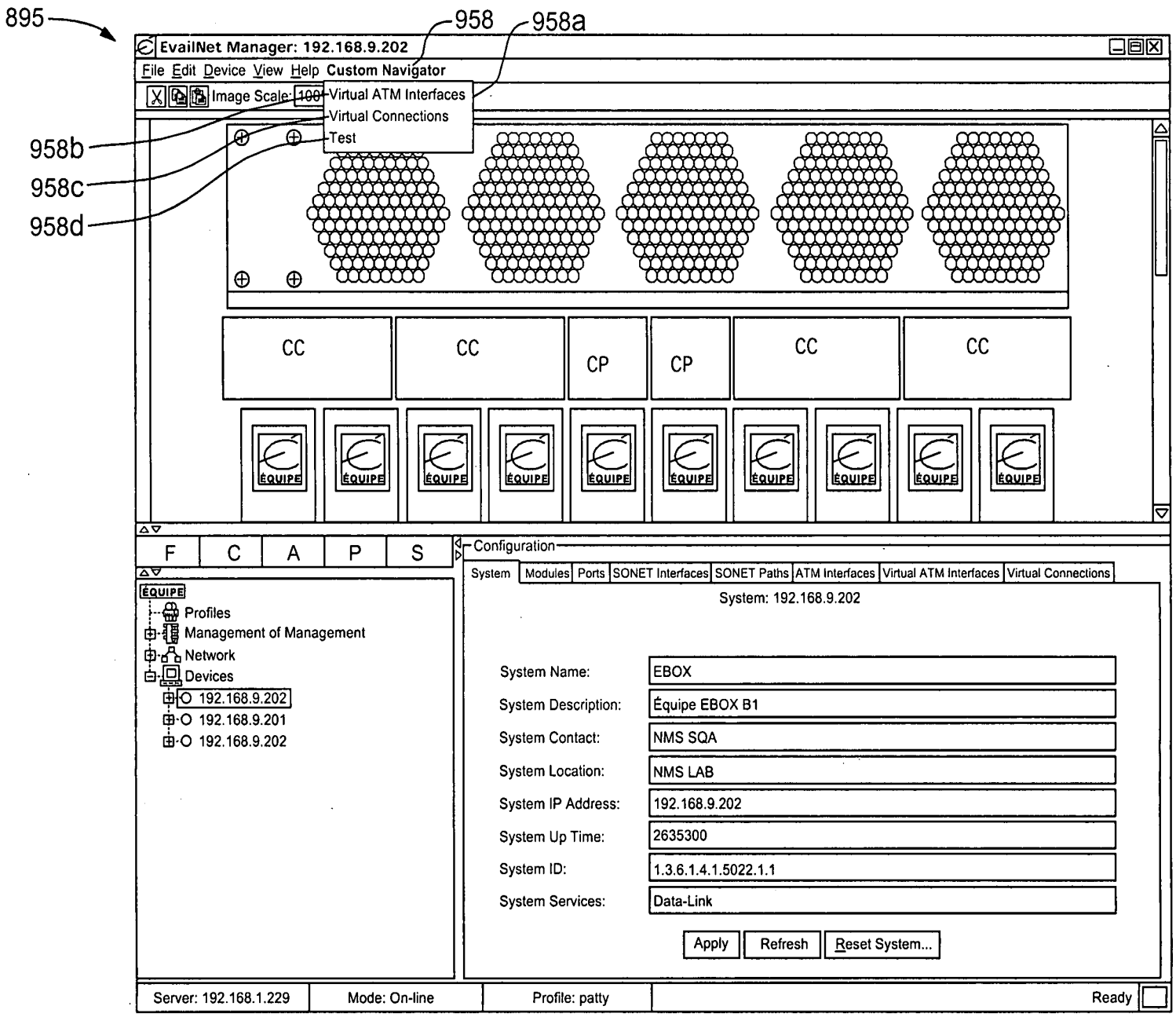

895
958
958a
958b
958c
958d
EvailNet Manager: 192.168.9.202
File Edit Device View Help Custom Navigator
Image Scale: 100
Virtual ATM Interfaces
Virtual Connections
Test
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.202
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 2635300
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4X

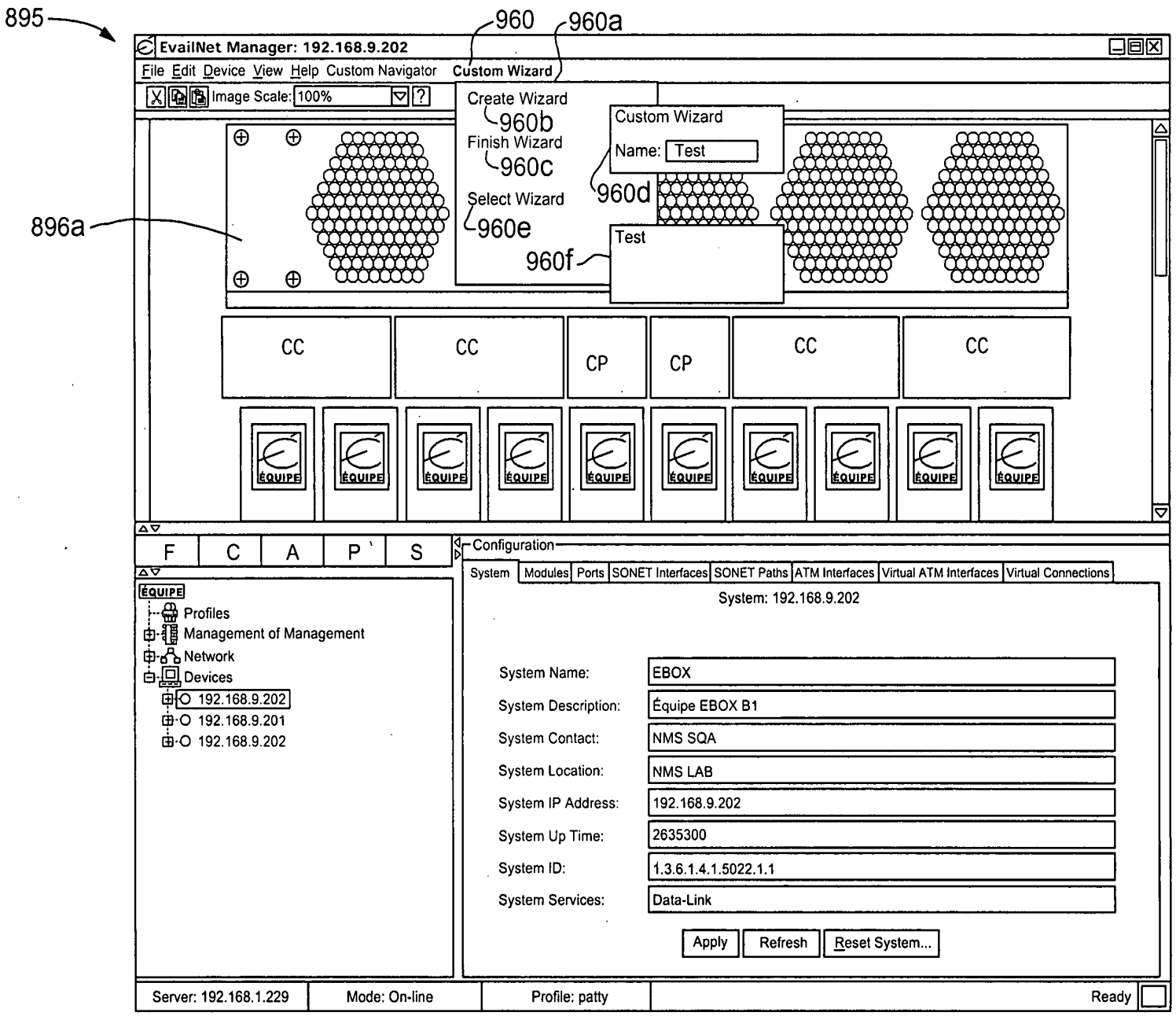

895
960
960a
EvailNet Manager: 192.168.9.202
File Edit Device View Help Custom Navigator
Custom Wizard
Image Scale: 100%
Create Wizard
960b
Finish Wizard
960c
Select Wizard
960e
960f
Custom Wizard
Name: Test
960d
Test
896a
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.202
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 2635300
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 4Y

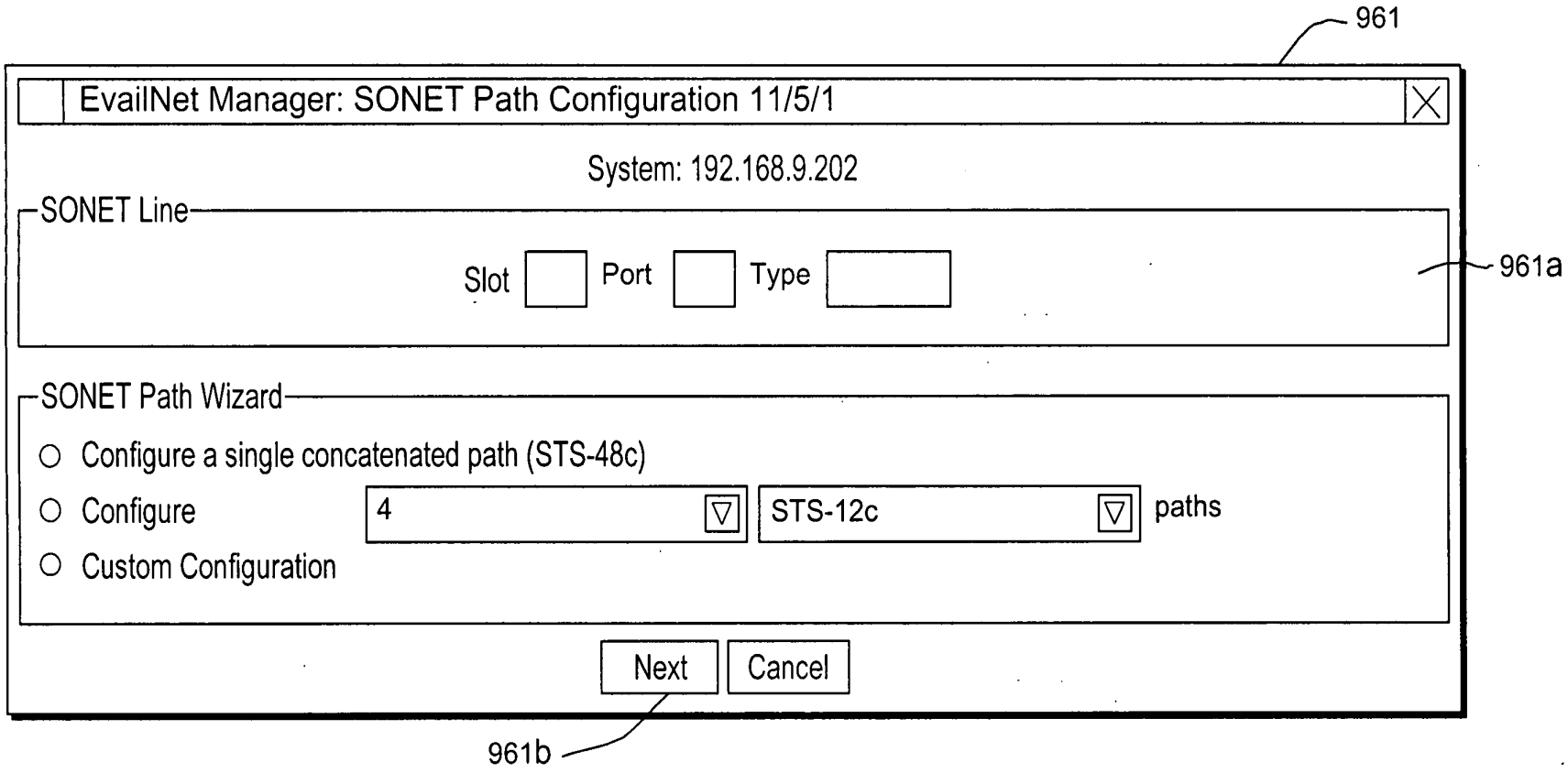

961
EvailNet Manager: SONET Path Configuration 11/5/1
System: 192.168.9.202
SONET Line
Slot
Port
Type
961a
SONET Path Wizard
Configure a single concatenated path (STS-48c)
Configure
4
STS-12c
paths
Custom Configuration
Next
Cancel
961b

FIG. 4Z

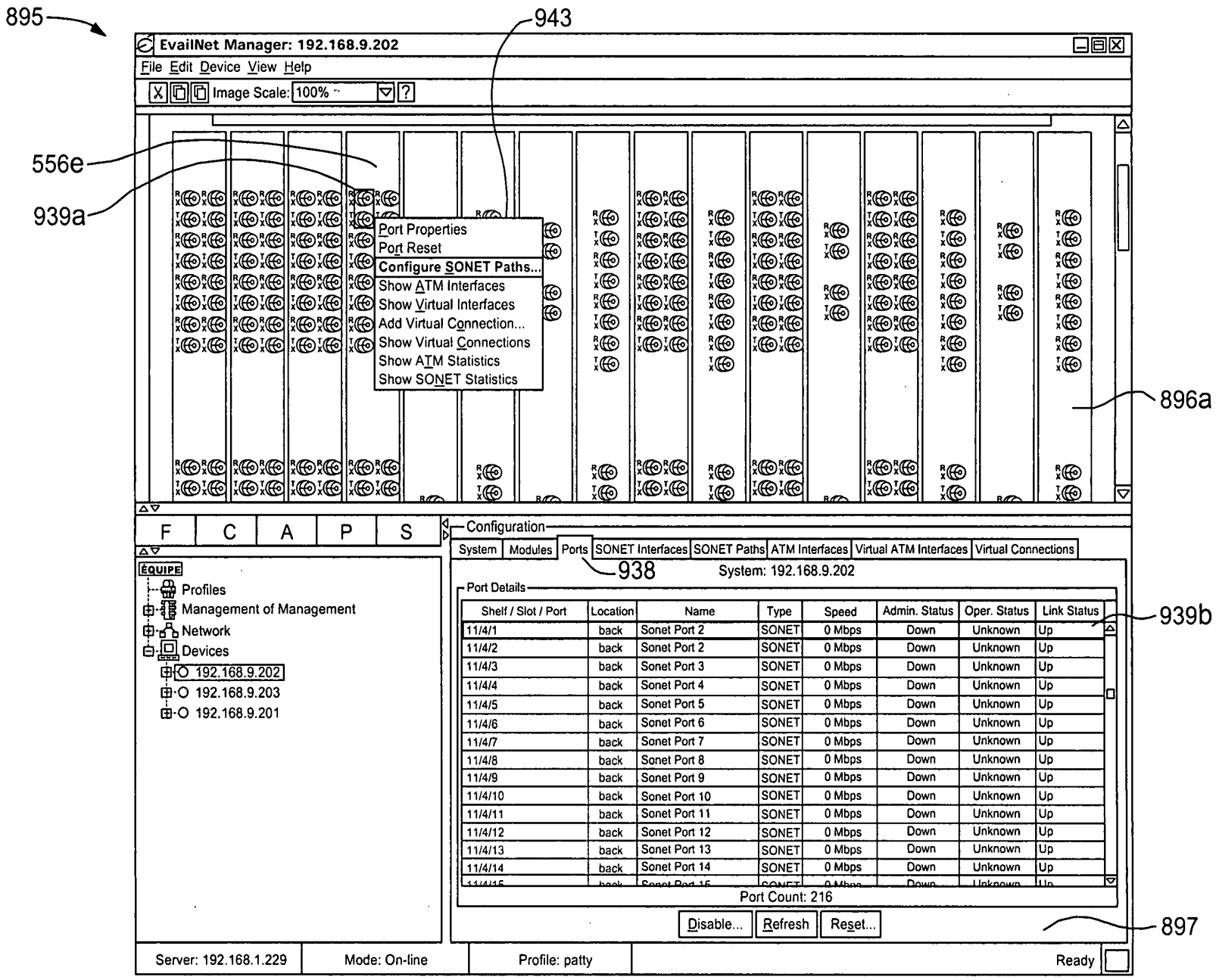

895
943
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556e
939a
Port Properties
Port Reset
Configure SONET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connection...
Show Virtual Connections
Show ATM Statistics
Show SONET Statistics
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
938
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
Port Details
939b
Shelf / Slot / Port | Location | Name | Type | Speed | Admin. Status | Oper. Status | Link Status
11/4/1 back Sonet Port 2 SONET 0 Mbps Down Unknown Up
11/4/2 back Sonet Port 2 SONET 0 Mbps Down Unknown Up
11/4/3 back Sonet Port 3 SONET 0 Mbps Down Unknown Up
11/4/4 back Sonet Port 4 SONET 0 Mbps Down Unknown Up
11/4/5 back Sonet Port 5 SONET 0 Mbps Down Unknown Up
11/4/6 back Sonet Port 6 SONET 0 Mbps Down Unknown Up
11/4/7 back Sonet Port 7 SONET 0 Mbps Down Unknown Up
11/4/8 back Sonet Port 8 SONET 0 Mbps Down Unknown Up
11/4/9 back Sonet Port 9 SONET 0 Mbps Down Unknown Up
11/4/10 back Sonet Port 10 SONET 0 Mbps Down Unknown Up
11/4/11 back Sonet Port 11 SONET 0 Mbps Down Unknown Up
11/4/12 back Sonet Port 12 SONET 0 Mbps Down Unknown Up
11/4/13 back Sonet Port 13 SONET 0 Mbps Down Unknown Up
11/4/14 back Sonet Port 14 SONET 0 Mbps Down Unknown Up
Port Count: 216
Disable... Refresh Reset...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5A

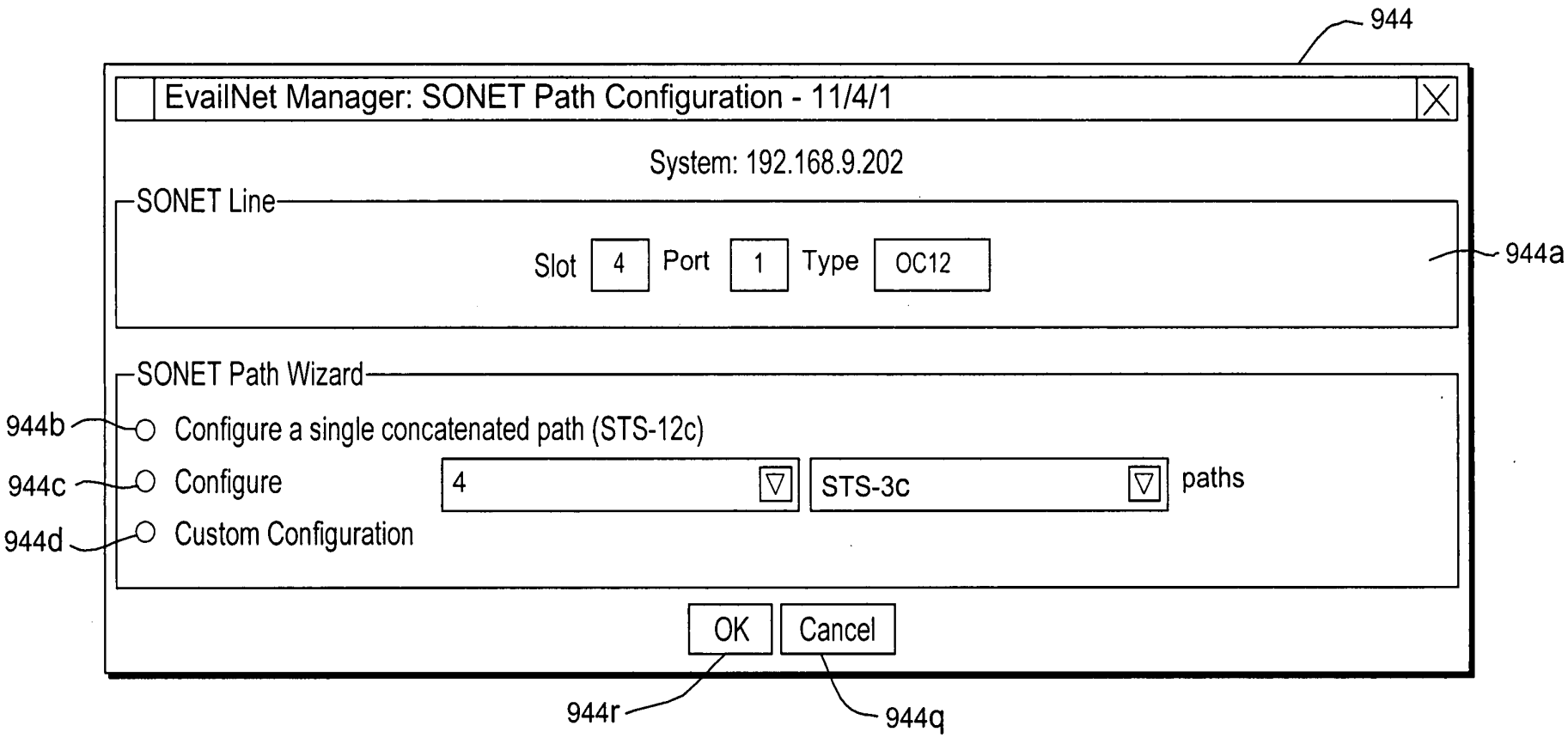

944
EvailNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202
SONET Line
Slot 4 Port 1 Type OC12
944a
SONET Path Wizard
944b
Configure a single concatenated path (STS-12c)
944c
Configure 4 STS-3c paths
944d
Custom Configuration
OK
Cancel
944r
944q

FIG. 5B

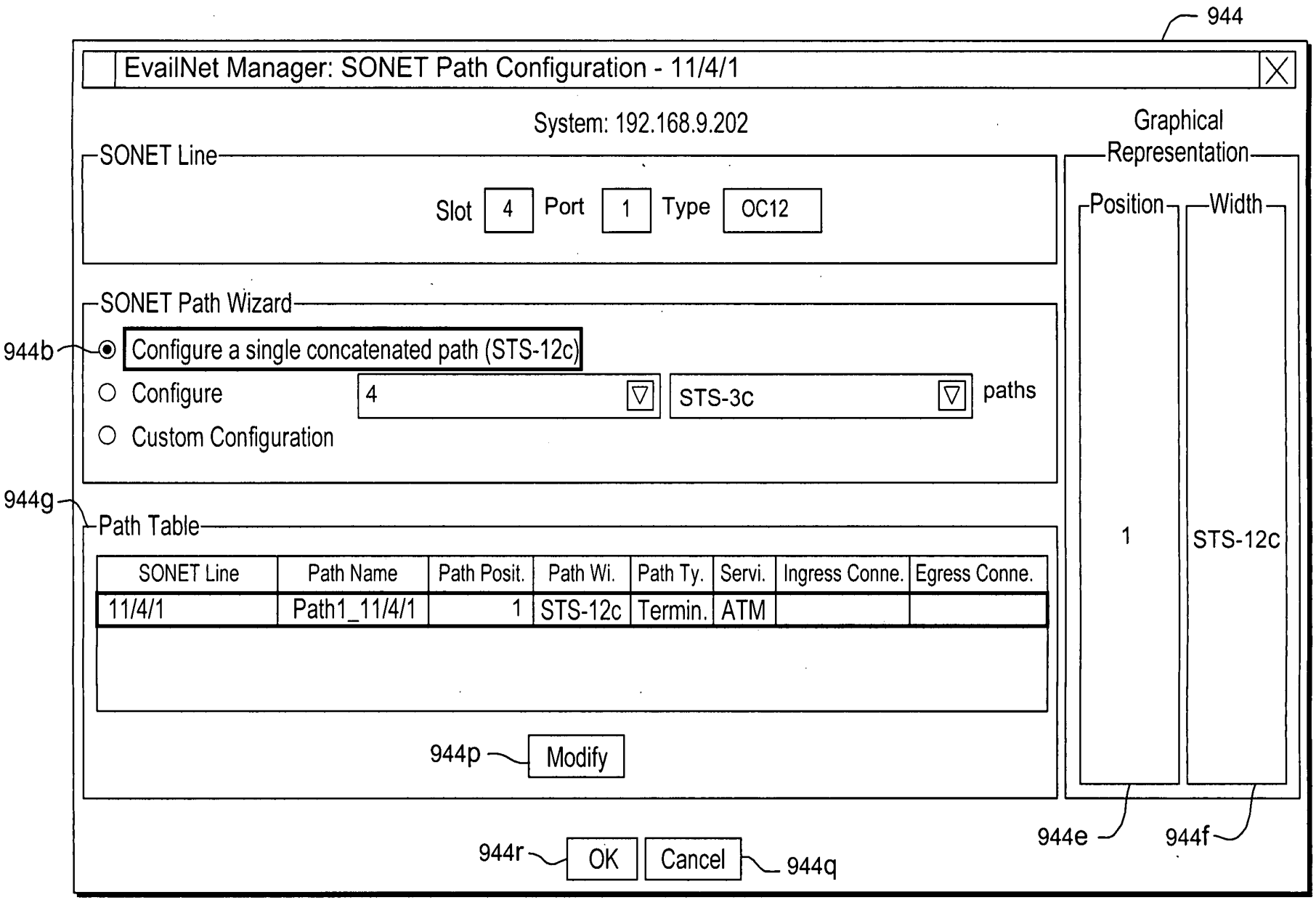

944
EvailNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202
SONET Line
Slot 4 Port 1 Type OC12
SONET Path Wizard
944b
Configure a single concatenated path (STS-12c)
Configure 4 STS-3c paths
Custom Configuration
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/4/1 | Path1_11/4/1 | 1 | STS-12c | Termin. | ATM
944p
Modify
Graphical Representation
Position
Width
1
STS-12c
944e
944f
944r
OK
Cancel
944q

FIG. 5C

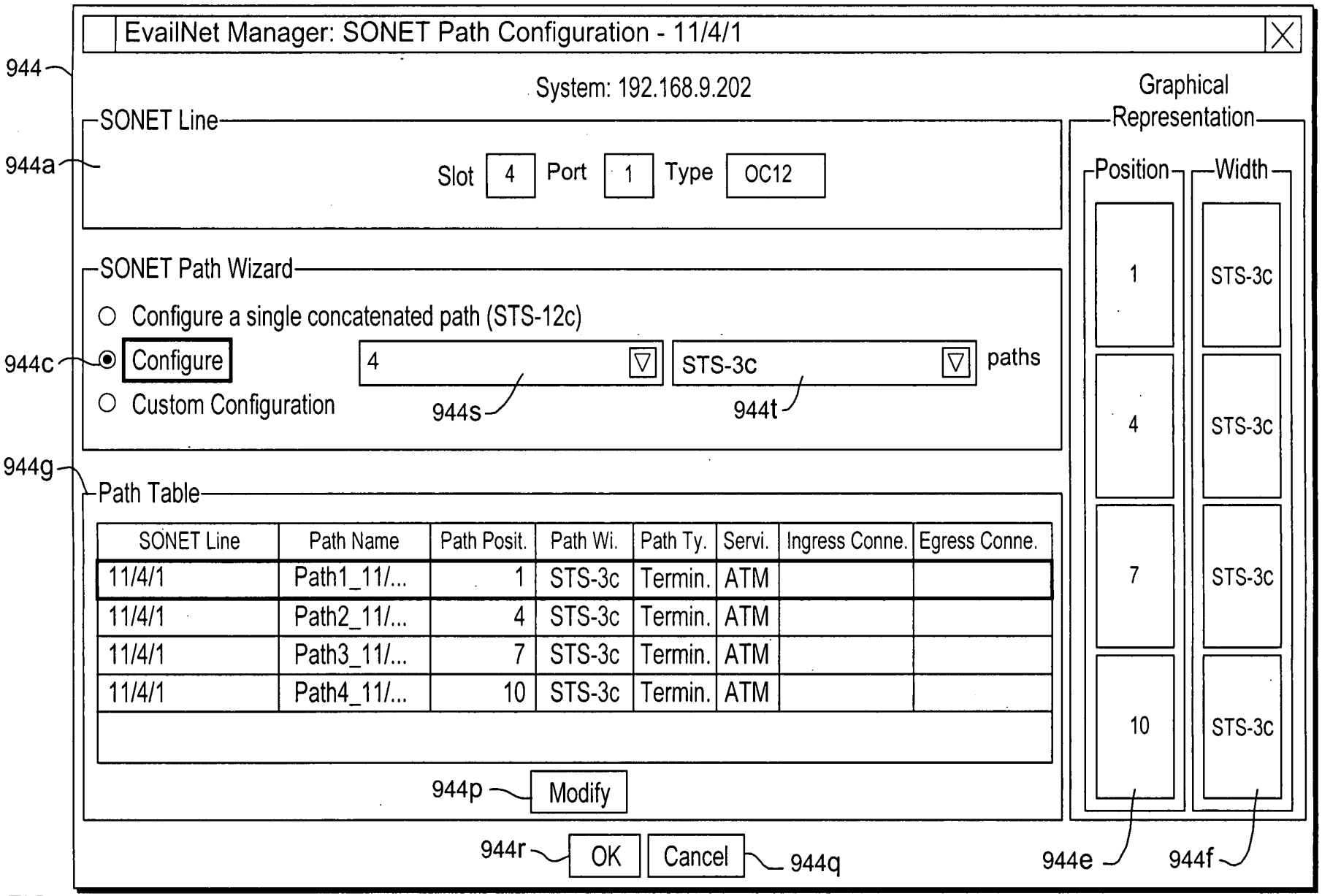

EvailNet Manager: SONET Path Configuration - 11/4/1
944
System: 192.168.9.202
Graphical Representation
SONET Line
944a
Slot 4 Port 1 Type OC12
Position
Width
SONET Path Wizard
Configure a single concatenated path (STS-12c)
944c
Configure
4
STS-3c
paths
Custom Configuration
944s
944t
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/4/1 | Path1_11/... | 1 | STS-3c | Termin. | ATM
11/4/1 | Path2_11/... | 4 | STS-3c | Termin. | ATM
11/4/1 | Path3_11/... | 7 | STS-3c | Termin. | ATM
11/4/1 | Path4_11/... | 10 | STS-3c | Termin. | ATM
1
4
7
10
STS-3c
944p
Modify
944r
OK
Cancel
944q
944e
944f

FIG. 5D

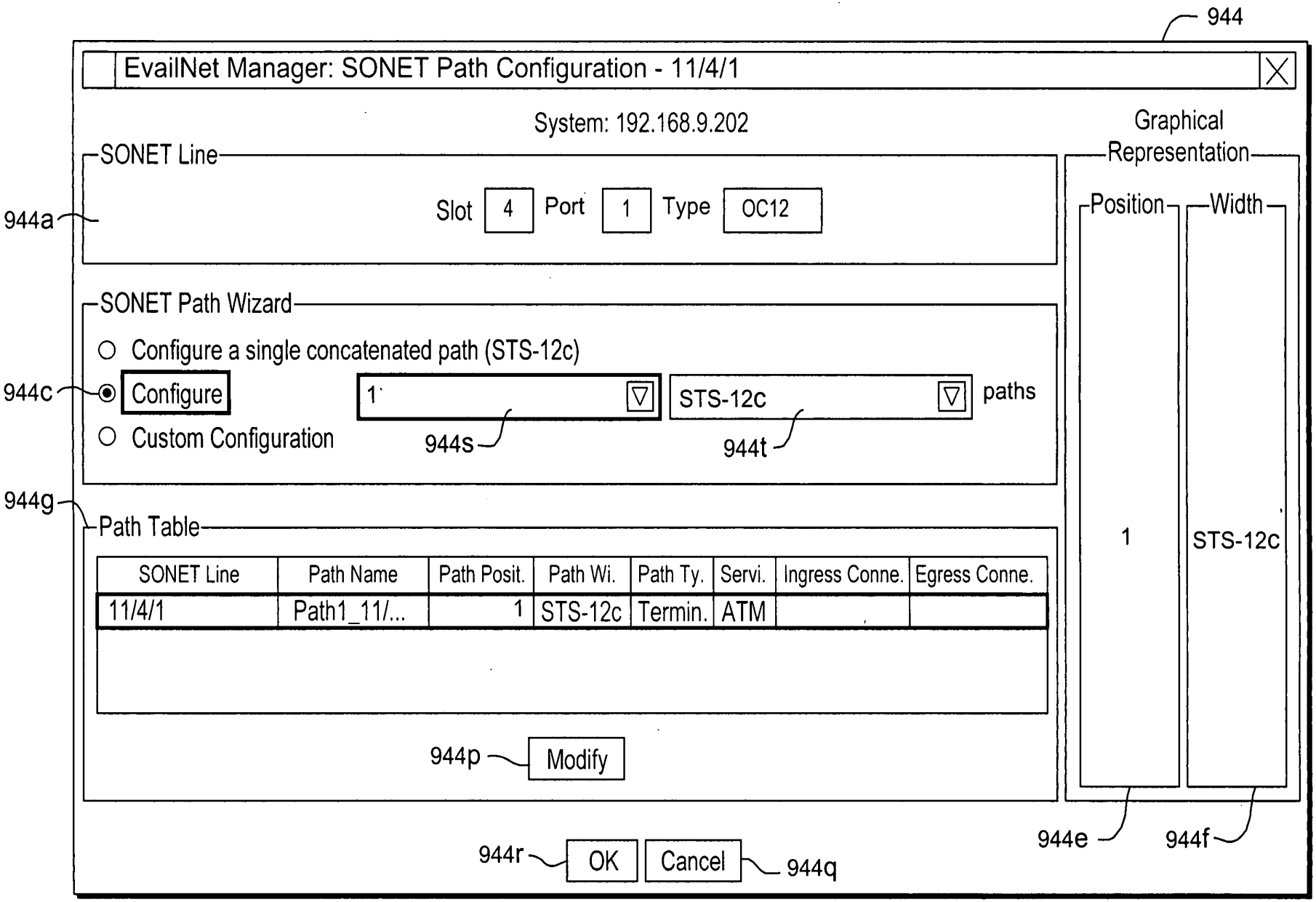

944
EvailNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202
Graphical Representation
SONET Line
944a
Slot 4 Port 1 Type OC12
Position
Width
SONET Path Wizard
Configure a single concatenated path (STS-12c)
944c
Configure
1
STS-12c
paths
Custom Configuration
944s
944t
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/4/1 | Path1_11/... | 1 | STS-12c | Termin. | ATM
1
STS-12c
944p
Modify
944e
944f
944r
OK
Cancel
944q

FIG. 5E

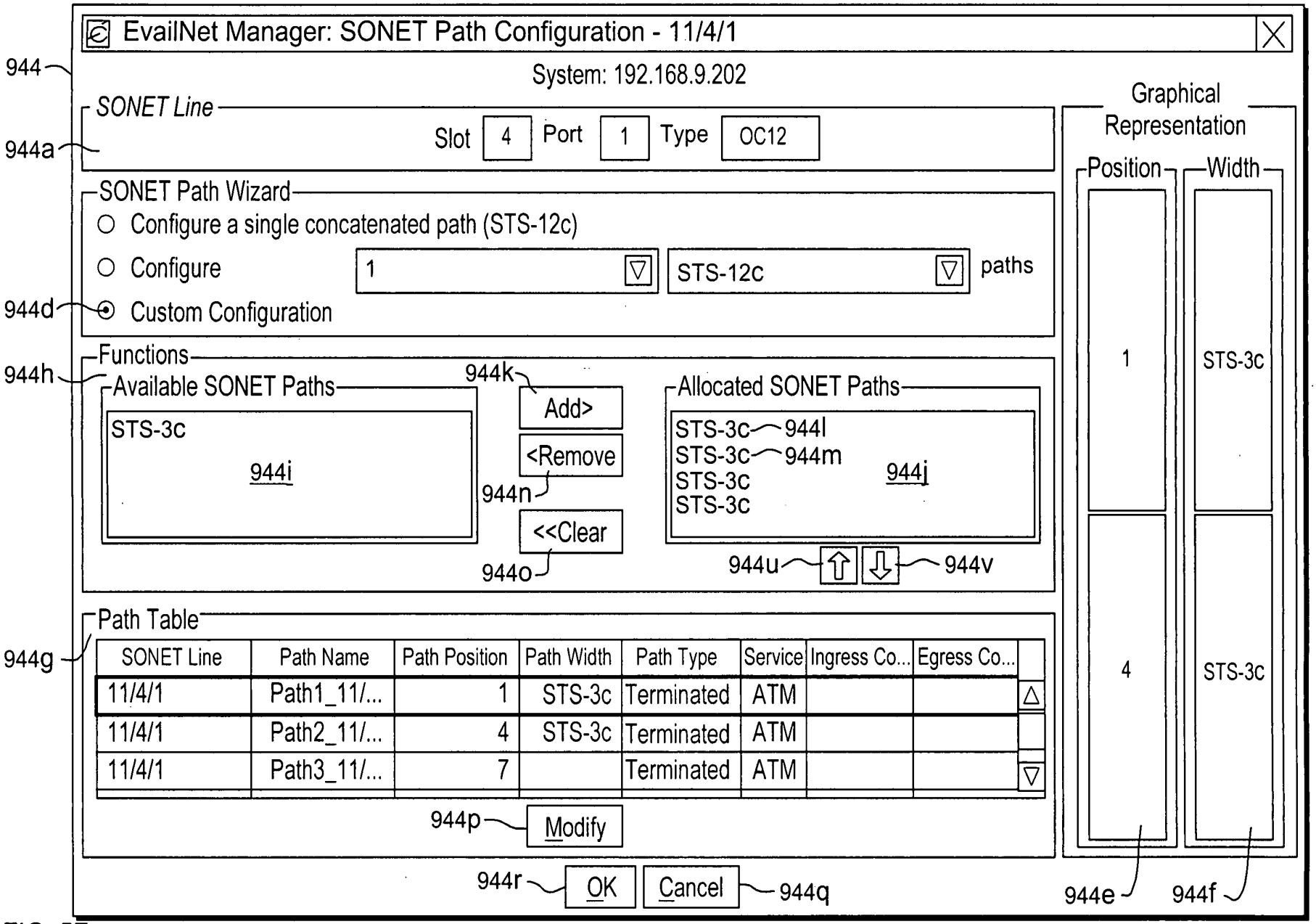

EvailNet Manager: SONET Path Configuration - 11/4/1
944
System: 192.168.9.202
SONET Line
944a
Slot 4 Port 1 Type OC12
SONET Path Wizard
Configure a single concatenated path (STS-12c)
Configure 1 STS-12c paths
944d
Custom Configuration
Functions
944h
Available SONET Paths
STS-3c
944i
944k
Add>
<Remove
944n
<<Clear
944o
Allocated SONET Paths
STS-3c 944l
STS-3c 944m
STS-3c
STS-3c
944j
944u
944v
Path Table
944g
SONET Line | Path Name | Path Position | Path Width | Path Type | Service | Ingress Co... | Egress Co...
11/4/1 | Path1_11/... | 1 | STS-3c | Terminated | ATM
11/4/1 | Path2_11/... | 4 | STS-3c | Terminated | ATM
11/4/1 | Path3_11/... | 7 | | Terminated | ATM
944p
Modify
944r
OK
Cancel
944q
Graphical Representation
Position
Width
1
STS-3c
4
STS-3c
944e
944f

FIG. 5F

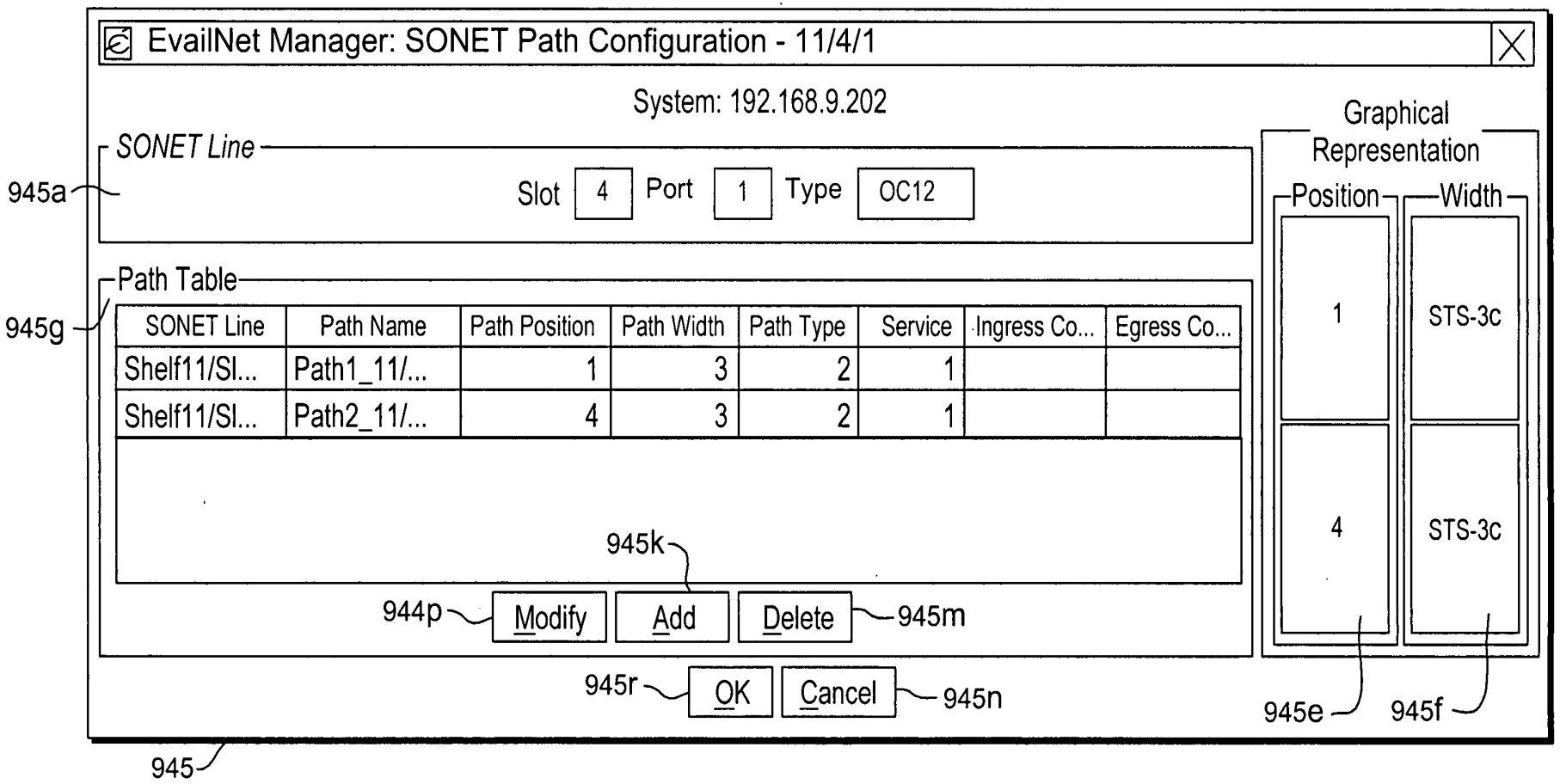

EvailNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202
SONET Line
945a
Slot 4 Port 1 Type OC12
Path Table
945g
SONET Line | Path Name | Path Position | Path Width | Path Type | Service | Ingress Co... | Egress Co...
Shelf11/Sl... | Path1_11/... | 1 | 3 | 2 | 1
Shelf11/Sl... | Path2_11/... | 4 | 3 | 2 | 1
945k
944p
Modify
Add
Delete
945m
945r
OK
Cancel
945n
945
Graphical Representation
Position
Width
1
STS-3c
4
STS-3c
945e
945f

FIG. 5G

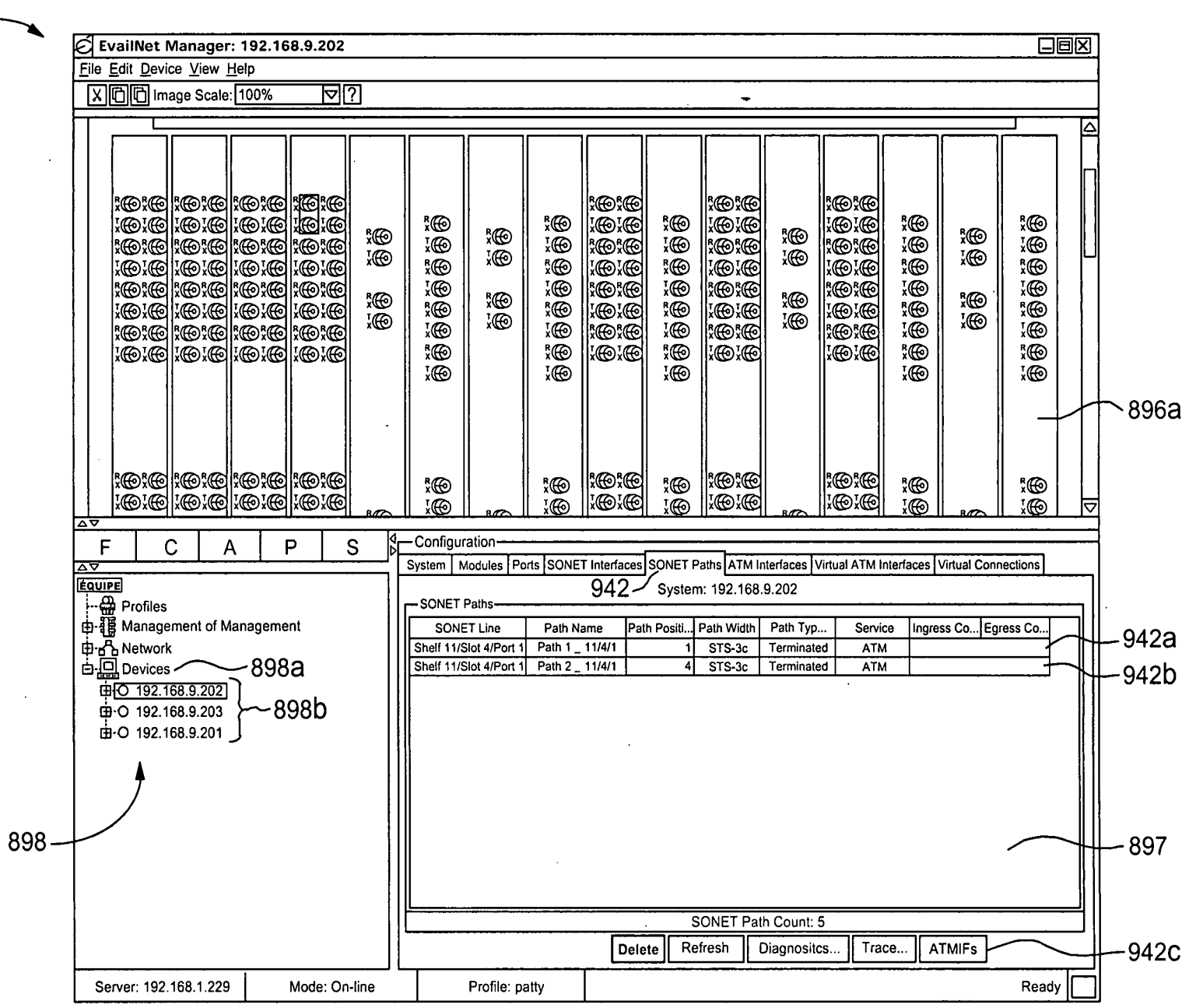

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
942
System: 192.168.9.202
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
SONET Paths
SONET Line | Path Name | Path Positi... | Path Width | Path Typ... | Service | Ingress Co... | Egress Co...
Shelf 11/Slot 4/Port 1 | Path 1 _ 11/4/1 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path 2 _ 11/4/1 | 4 | STS-3c | Terminated | ATM
942a
942b
897
SONET Path Count: 5
Delete Refresh Diagnositcs... Trace... ATMIFs
942c
Server: 192.168.1.229 Mode: On-line Profile: patty Ready

FIG. 5H

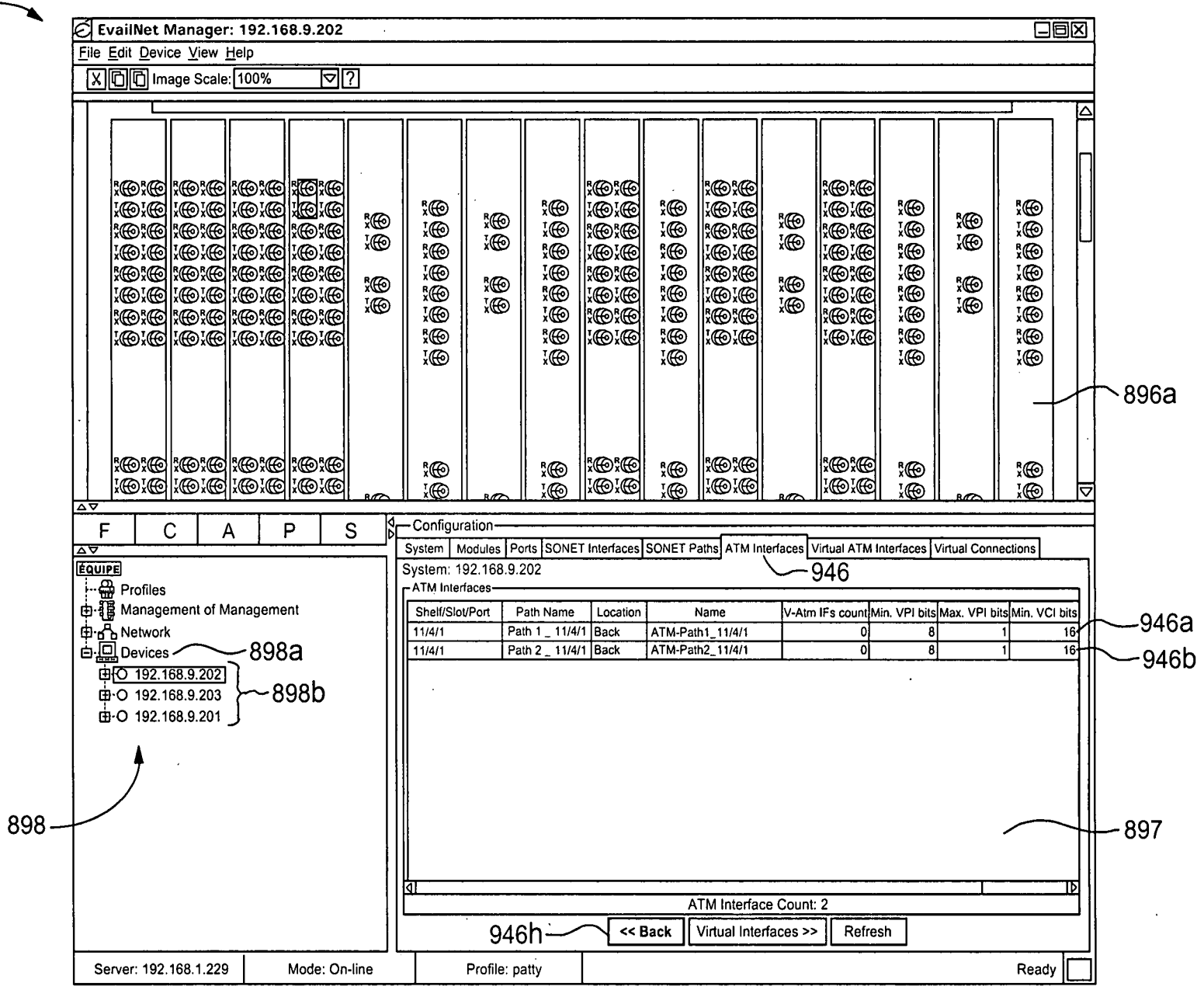

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
946
System: 192.168.9.202
ATM Interfaces
Shelf/Slot/Port | Path Name | Location | Name | V-Atm IFs count | Min. VPI bits | Max. VPI bits | Min. VCI bits
11/4/1 | Path 1 _ 11/4/1 | Back | ATM-Path1_11/4/1 | 0 | 8 | 1 | 16
11/4/1 | Path 2 _ 11/4/1 | Back | ATM-Path2_11/4/1 | 0 | 8 | 1 | 16
946a
946b
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
897
ATM Interface Count: 2
946h
<< Back
Virtual Interfaces >>
Refresh
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5I

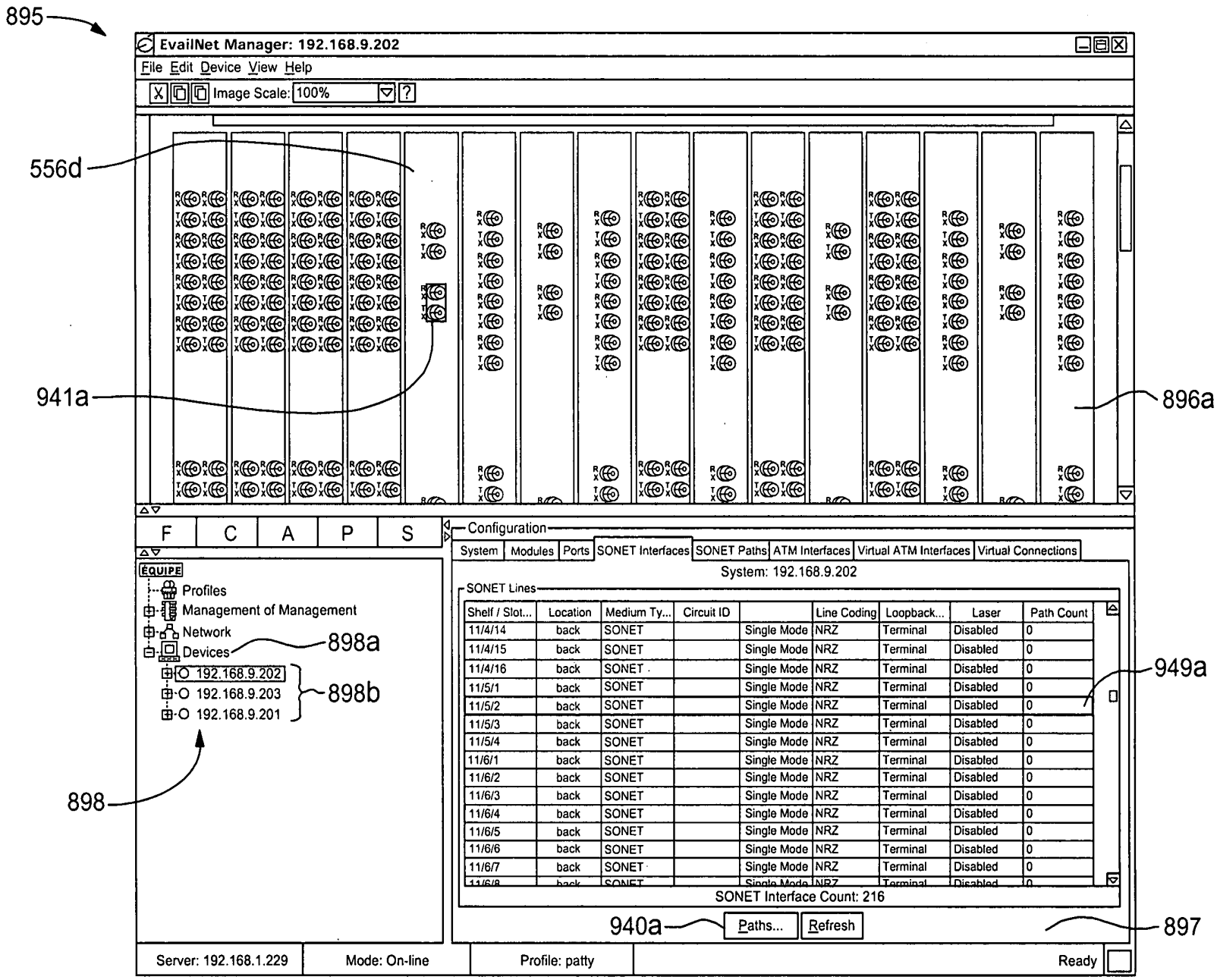

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556d
941a
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
System: 192.168.9.202
SONET Lines
Shelf / Slot... Location Medium Ty... Circuit ID Line Coding Loopback... Laser Path Count
11/4/14 back SONET Single Mode NRZ Terminal Disabled 0
11/4/15 back SONET Single Mode NRZ Terminal Disabled 0
11/4/16 back SONET Single Mode NRZ Terminal Disabled 0
11/5/1 back SONET Single Mode NRZ Terminal Disabled 0
11/5/2 back SONET Single Mode NRZ Terminal Disabled 0
11/5/3 back SONET Single Mode NRZ Terminal Disabled 0
11/5/4 back SONET Single Mode NRZ Terminal Disabled 0
11/6/1 back SONET Single Mode NRZ Terminal Disabled 0
11/6/2 back SONET Single Mode NRZ Terminal Disabled 0
11/6/3 back SONET Single Mode NRZ Terminal Disabled 0
11/6/4 back SONET Single Mode NRZ Terminal Disabled 0
11/6/5 back SONET Single Mode NRZ Terminal Disabled 0
11/6/6 back SONET Single Mode NRZ Terminal Disabled 0
11/6/7 back SONET Single Mode NRZ Terminal Disabled 0
949a
SONET Interface Count: 216
940a
Paths...
Refresh
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5J

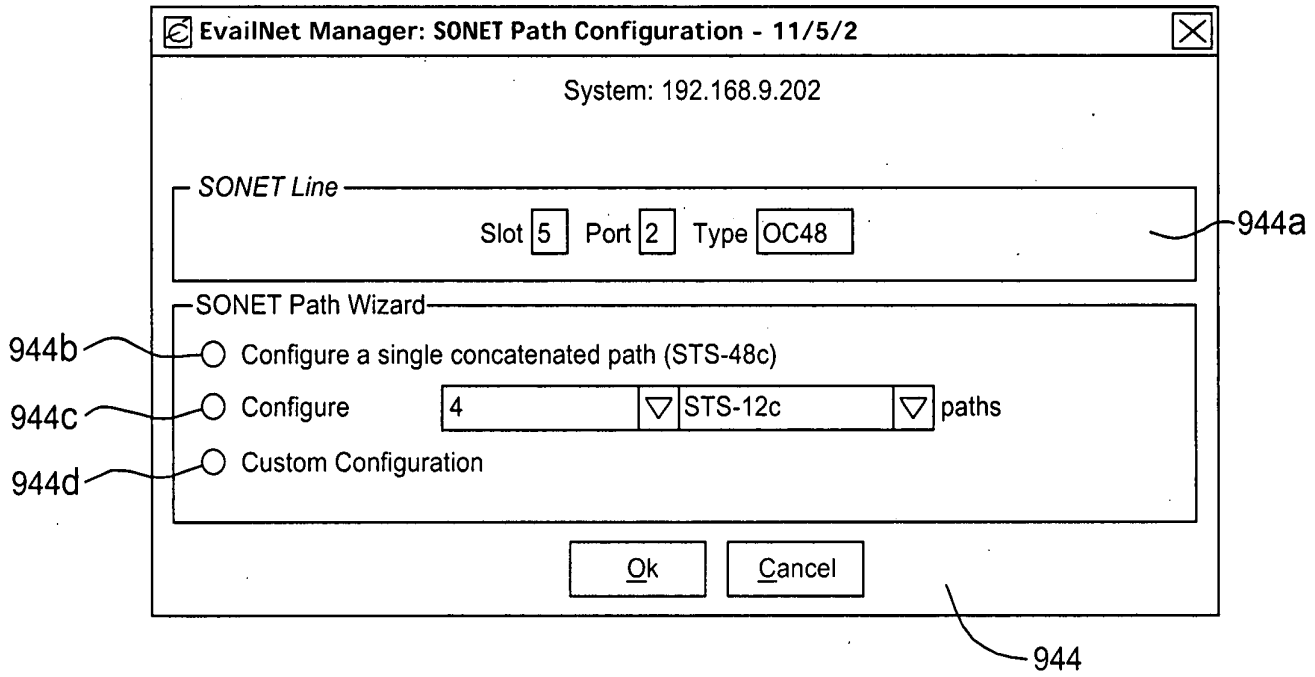

EvailNet Manager: SONET Path Configuration - 11/5/2
System: 192.168.9.202
SONET Line
Slot 5 Port 2 Type OC48
944a
SONET Path Wizard
944b
Configure a single concatenated path (STS-48c)
944c
Configure 4 STS-12c paths
944d
Custom Configuration
Ok
Cancel
944

FIG. 5K

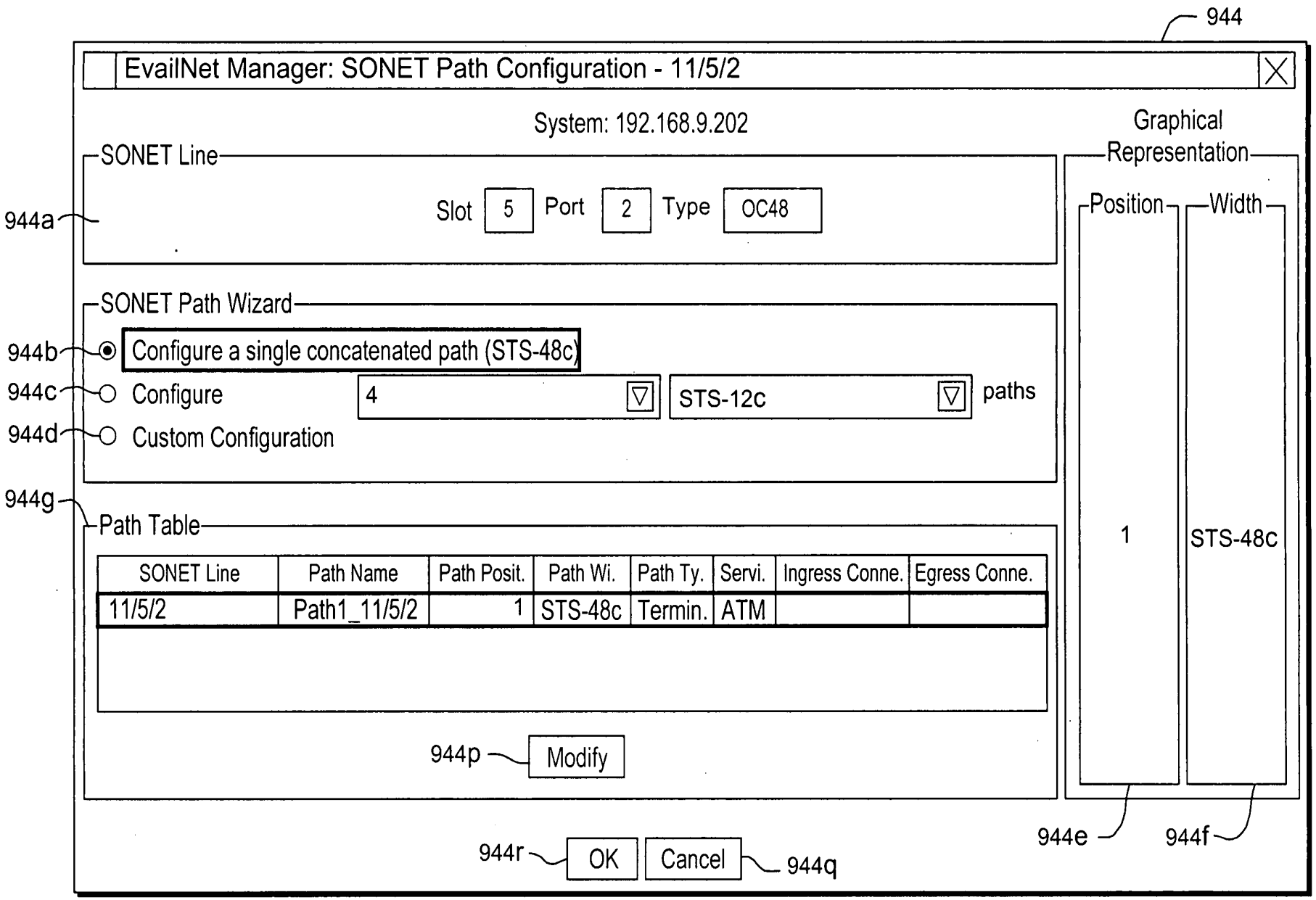

944
EvailNet Manager: SONET Path Configuration - 11/5/2
System: 192.168.9.202
Graphical Representation
SONET Line
944a
Slot 5 Port 2 Type OC48
SONET Path Wizard
944b
Configure a single concatenated path (STS-48c)
944c
Configure
4
STS-12c
paths
944d
Custom Configuration
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/5/2 | Path1_11/5/2 | 1 | STS-48c | Termin. | ATM
944p
Modify
Position
Width
1
STS-48c
944e
944f
944r
OK
Cancel
944q

FIG. 5L

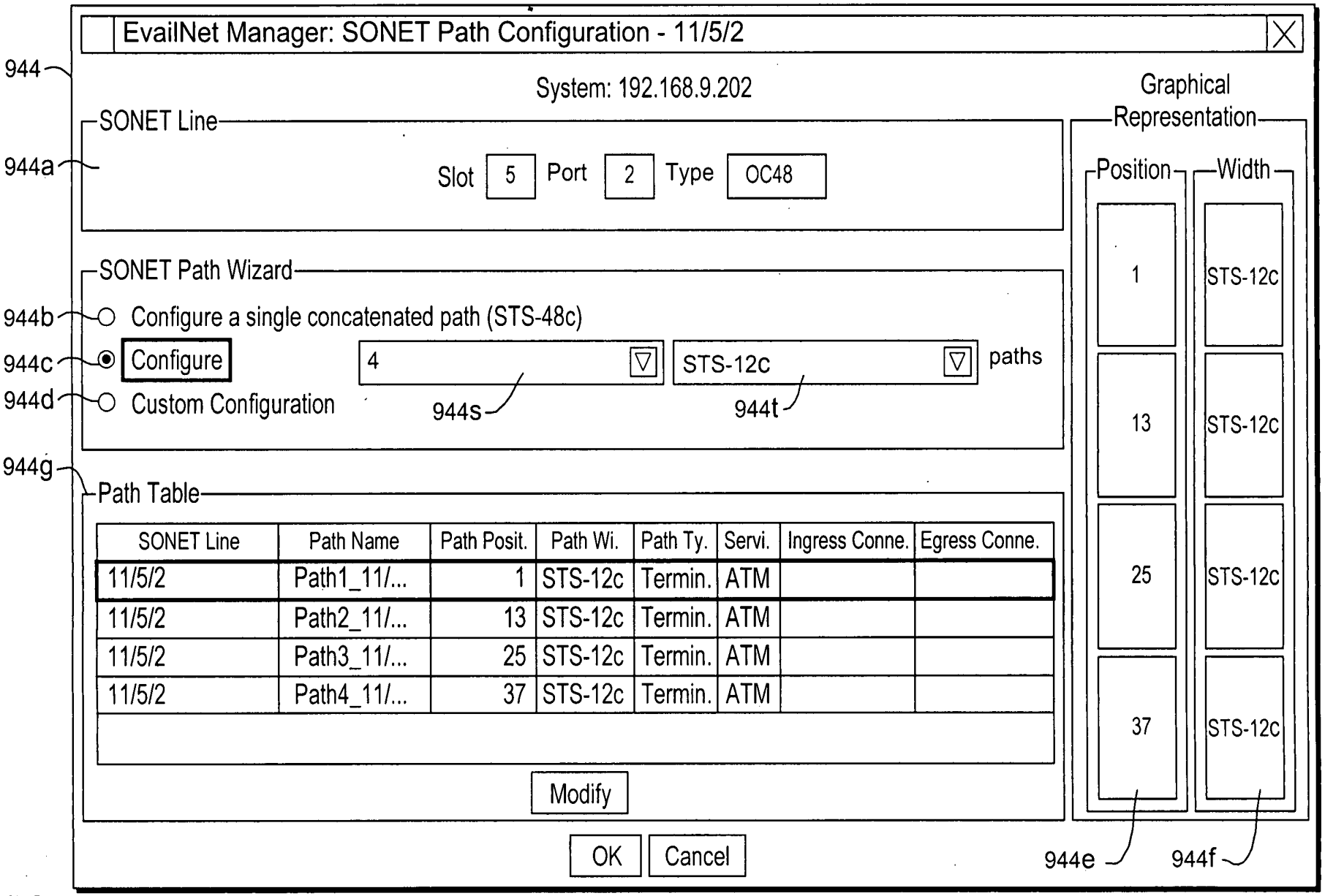

EvailNet Manager: SONET Path Configuration - 11/5/2
944
System: 192.168.9.202
Graphical Representation
SONET Line
944a
Slot 5 Port 2 Type OC48
Position
Width
SONET Path Wizard
944b
Configure a single concatenated path (STS-48c)
944c
Configure
4
STS-12c
paths
944d
Custom Configuration
944s
944t
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/5/2 | Path1_11/... | 1 | STS-12c | Termin. | ATM
11/5/2 | Path2_11/... | 13 | STS-12c | Termin. | ATM
11/5/2 | Path3_11/... | 25 | STS-12c | Termin. | ATM
11/5/2 | Path4_11/... | 37 | STS-12c | Termin. | ATM
1
13
25
37
STS-12c
Modify
OK
Cancel
944e
944f

FIG. 5M

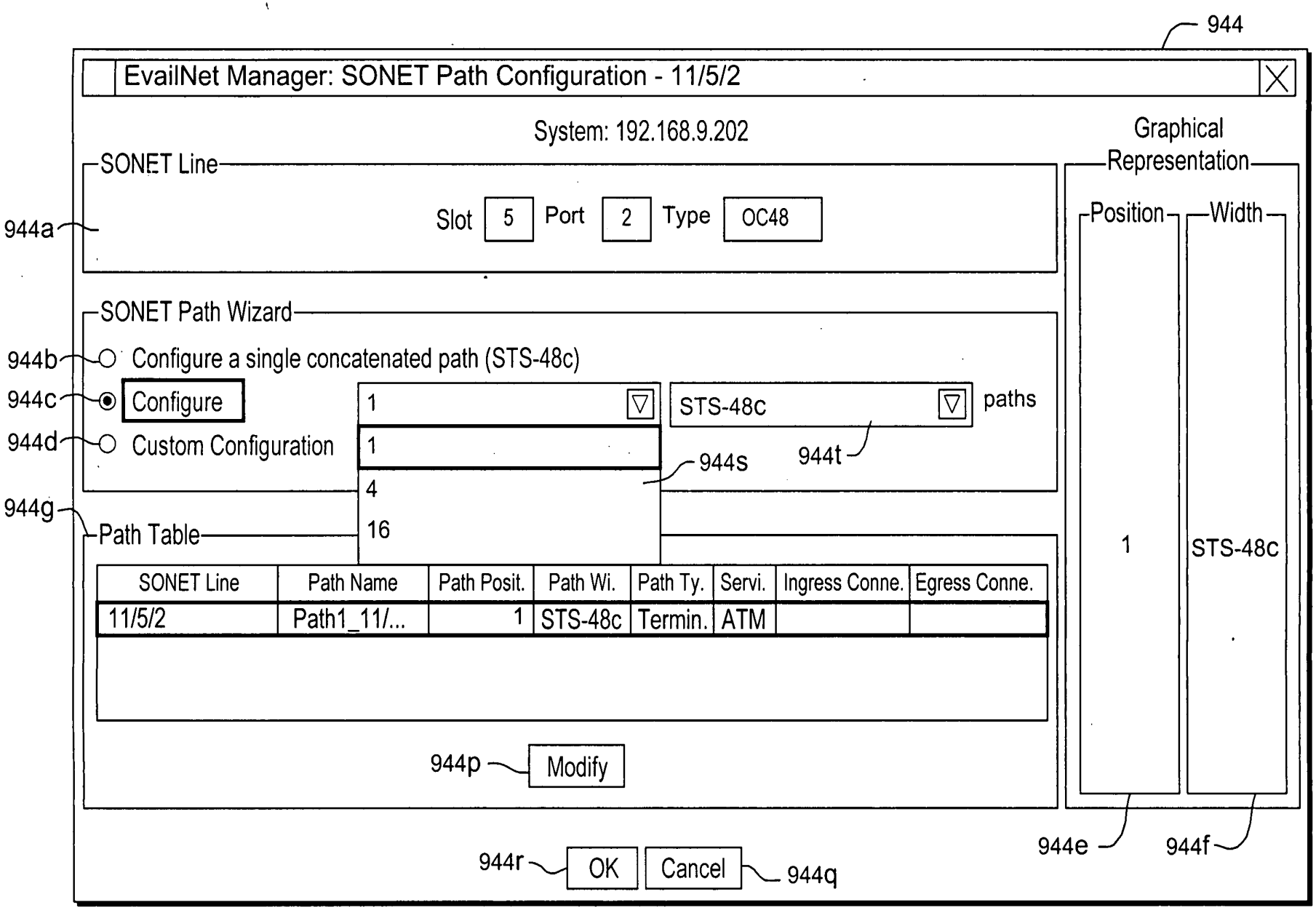

944
EvailNet Manager: SONET Path Configuration - 11/5/2
System: 192.168.9.202
Graphical Representation
SONET Line
944a
Slot 5 Port 2 Type OC48
Position
Width
SONET Path Wizard
944b
Configure a single concatenated path (STS-48c)
944c
Configure
944d
Custom Configuration
1
1
4
16
944s
STS-48c
944t
paths
944g
Path Table
SONET Line
Path Name
Path Posit.
Path Wi.
Path Ty.
Servi.
Ingress Conne.
Egress Conne.
11/5/2
Path1_11/...
1
STS-48c
Termin.
ATM
1
STS-48c
944p
Modify
944e
944f
944r
OK
Cancel
944q

FIG. 5N

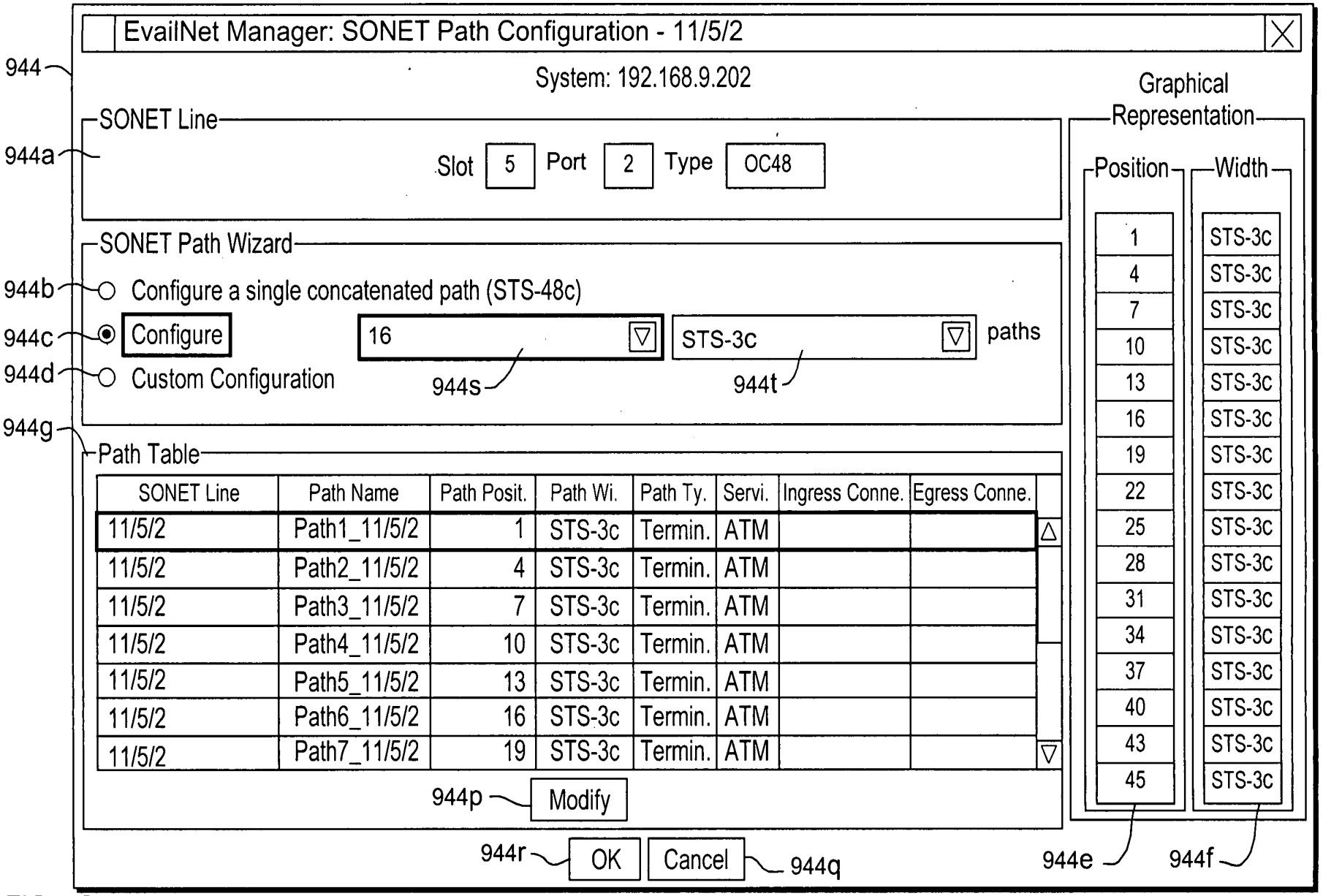

EvailNet Manager: SONET Path Configuration - 11/5/2
944
System: 192.168.9.202
SONET Line
944a
Slot 5 Port 2 Type OC48
SONET Path Wizard
944b
Configure a single concatenated path (STS-48c)
944c
Configure
16
STS-3c
paths
944d
Custom Configuration
944s
944t
944g
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/5/2 | Path1_11/5/2 | 1 | STS-3c | Termin. | ATM
11/5/2 | Path2_11/5/2 | 4 | STS-3c | Termin. | ATM
11/5/2 | Path3_11/5/2 | 7 | STS-3c | Termin. | ATM
11/5/2 | Path4_11/5/2 | 10 | STS-3c | Termin. | ATM
11/5/2 | Path5_11/5/2 | 13 | STS-3c | Termin. | ATM
11/5/2 | Path6_11/5/2 | 16 | STS-3c | Termin. | ATM
11/5/2 | Path7_11/5/2 | 19 | STS-3c | Termin. | ATM
944p
Modify
944r
OK
Cancel
944q
Graphical Representation
Position
Width
1 STS-3c
4 STS-3c
7 STS-3c
10 STS-3c
13 STS-3c
16 STS-3c
19 STS-3c
22 STS-3c
25 STS-3c
28 STS-3c
31 STS-3c
34 STS-3c
37 STS-3c
40 STS-3c
43 STS-3c
45 STS-3c
944e
944f

FIG. 5O

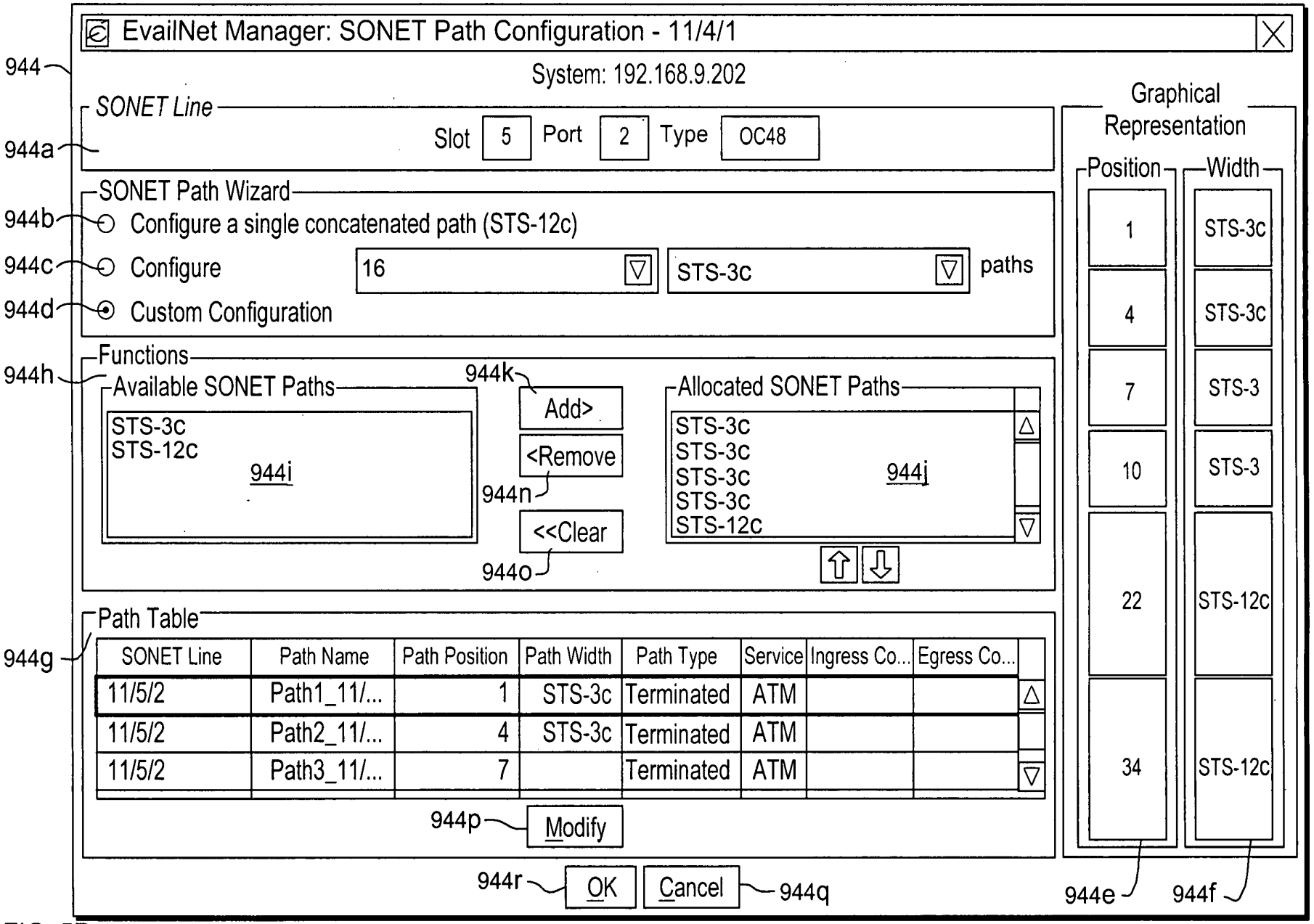

EvailNet Manager: SONET Path Configuration - 11/4/1
944
System: 192.168.9.202
SONET Line
944a
Slot 5 Port 2 Type OC48
SONET Path Wizard
944b
Configure a single concatenated path (STS-12c)
944c
Configure 16 STS-3c paths
944d
Custom Configuration
Functions
944h
Available SONET Paths
STS-3c
STS-12c
944i
944k
Add>
<Remove
944n
<<Clear
944o
Allocated SONET Paths
STS-3c
STS-3c
STS-3c
STS-3c
STS-12c
944j
Path Table
944g
SONET Line | Path Name | Path Position | Path Width | Path Type | Service | Ingress Co... | Egress Co...
11/5/2 | Path1_11/... | 1 | STS-3c | Terminated | ATM
11/5/2 | Path2_11/... | 4 | STS-3c | Terminated | ATM
11/5/2 | Path3_11/... | 7 | | Terminated | ATM
944p
Modify
944r
OK
Cancel
944q
Graphical Representation
Position
Width
1 STS-3c
4 STS-3c
7 STS-3
10 STS-3
22 STS-12c
34 STS-12c
944e
944f

FIG. 5P

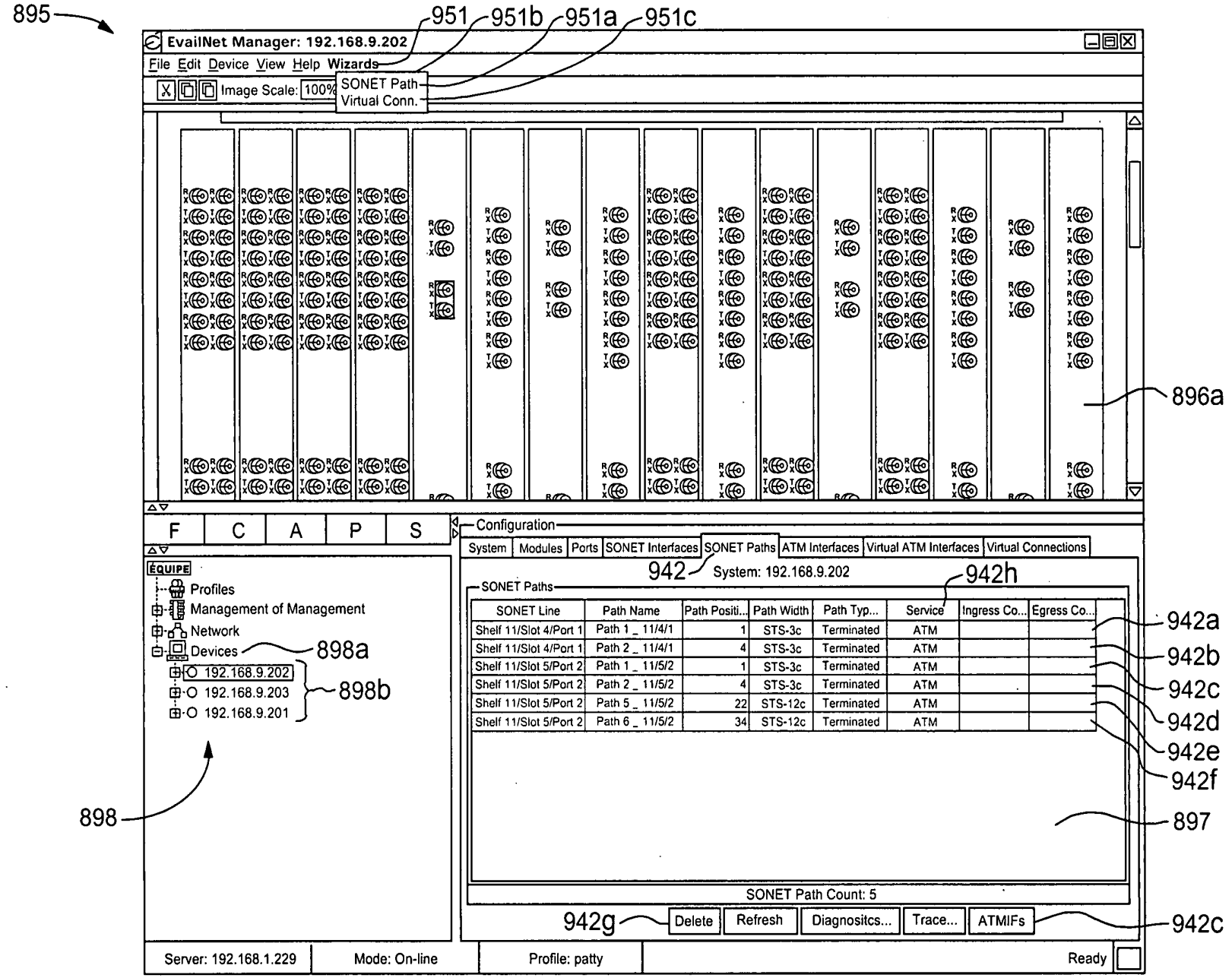

895
951
951b
951a
951c
EvailNet Manager: 192.168.9.202
File Edit Device View Help Wizards
Image Scale: 100%
SONET Path
Virtual Conn.
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
942
System: 192.168.9.202
942h
EQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
SONET Paths
SONET Line | Path Name | Path Positi... | Path Width | Path Typ... | Service | Ingress Co... | Egress Co...
Shelf 11/Slot 4/Port 1 | Path 1 _ 11/4/1 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path 2 _ 11/4/1 | 4 | STS-3c | Terminated | ATM
Shelf 11/Slot 5/Port 2 | Path 1 _ 11/5/2 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 5/Port 2 | Path 2 _ 11/5/2 | 4 | STS-3c | Terminated | ATM
Shelf 11/Slot 5/Port 2 | Path 5 _ 11/5/2 | 22 | STS-12c | Terminated | ATM
Shelf 11/Slot 5/Port 2 | Path 6 _ 11/5/2 | 34 | STS-12c | Terminated | ATM
942a
942b
942c
942d
942e
942f
897
SONET Path Count: 5
942g
Delete
Refresh
Diagnositcs...
Trace...
ATMIFs
942c
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5Q

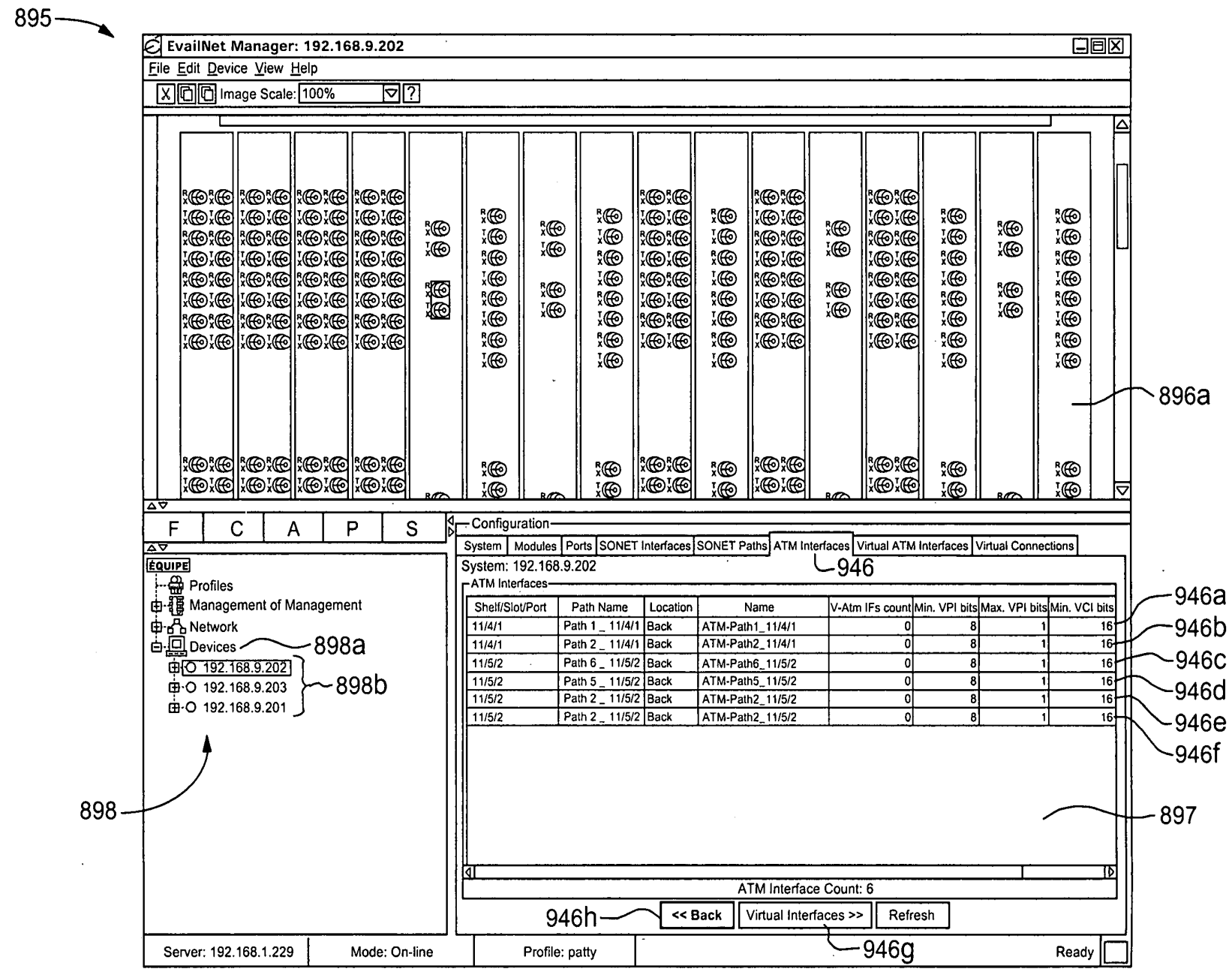

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
946
System: 192.168.9.202
ATM Interfaces
946a
946b
946c
946d
946e
946f
Shelf/Slot/Port | Path Name | Location | Name | V-Atm IFs count | Min. VPI bits | Max. VPI bits | Min. VCI bits
11/4/1 | Path 1 _ 11/4/1 | Back | ATM-Path1_11/4/1 | 0 | 8 | 1 | 16
11/4/1 | Path 2 _ 11/4/1 | Back | ATM-Path2_11/4/1 | 0 | 8 | 1 | 16
11/5/2 | Path 6 _ 11/5/2 | Back | ATM-Path6_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 5 _ 11/5/2 | Back | ATM-Path5_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 2 _ 11/5/2 | Back | ATM-Path2_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 2 _ 11/5/2 | Back | ATM-Path2_11/5/2 | 0 | 8 | 1 | 16
897
ATM Interface Count: 6
EQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
946h
<< Back
Virtual Interfaces >>
Refresh
946g
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5R

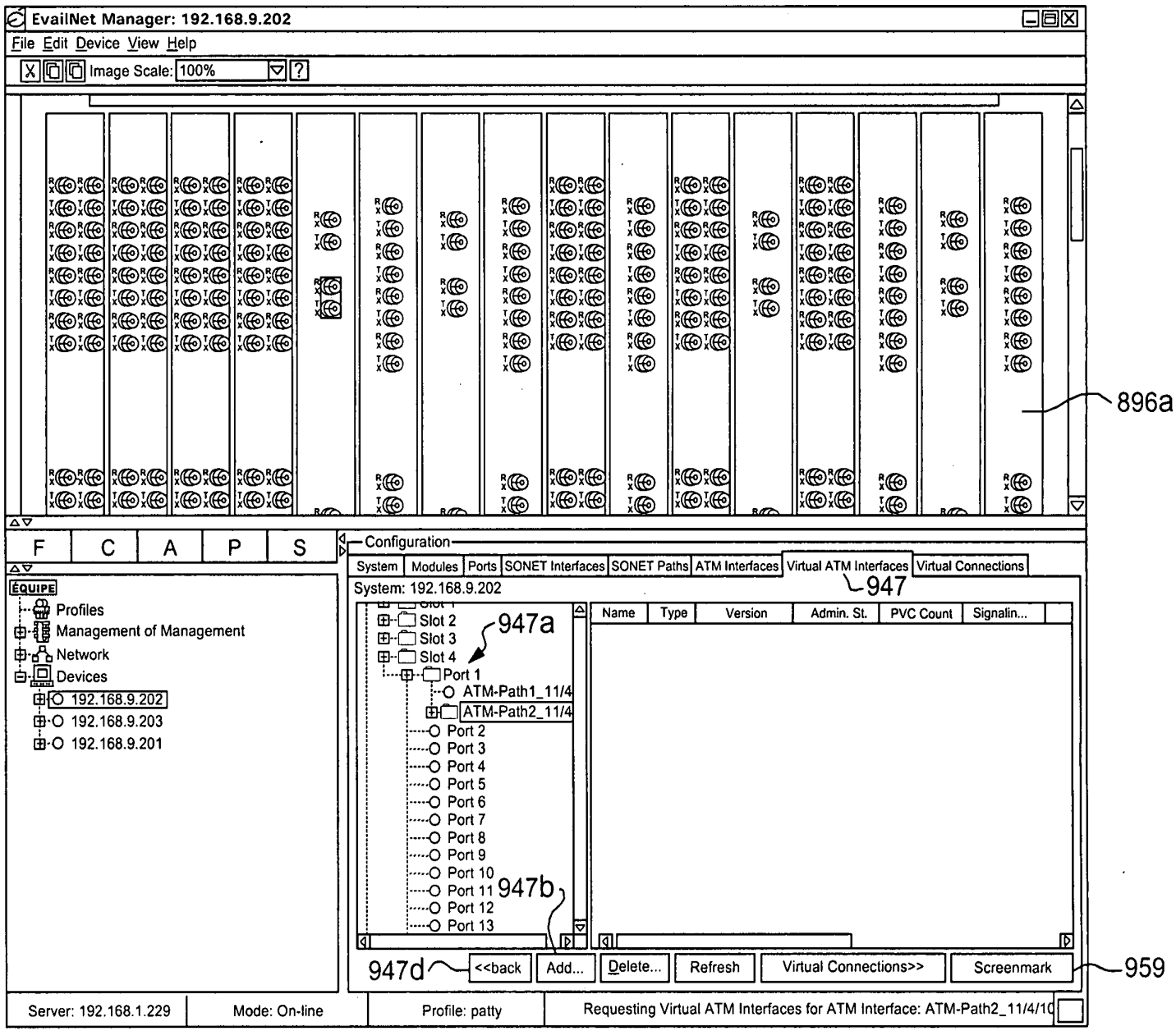

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
947
System: 192.168.9.202
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201
Slot 2
Slot 3
Slot 4
Port 1
ATM-Path1_11/4
ATM-Path2_11/4
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9
Port 10
Port 11
Port 12
Port 13
947a
947b
Name Type Version Admin. St. PVC Count Signalin...
947d
<<back
Add...
Delete...
Refresh
Virtual Connections>>
Screenmark
959
Server: 192.168.1.229
Mode: On-line
Profile: patty
Requesting Virtual ATM Interfaces for ATM Interface: ATM-Path2_11/4/1

FIG. 5S

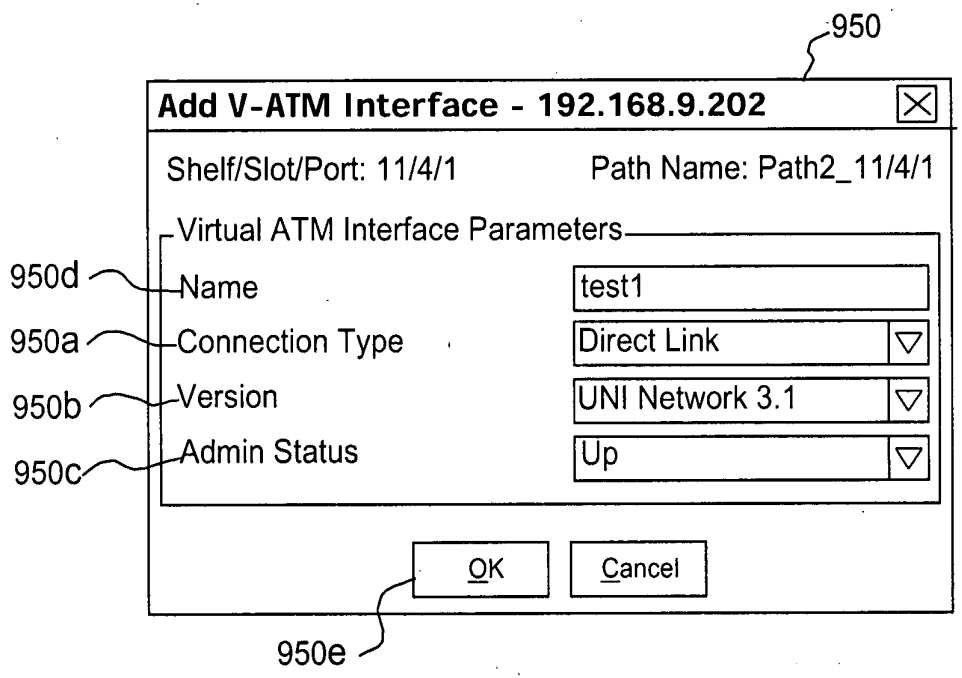

950
Add V-ATM Interface - 192.168.9.202
Shelf/Slot/Port: 11/4/1
Path Name: Path2_11/4/1
Virtual ATM Interface Parameters
950d
Name
test1
950a
Connection Type
Direct Link
950b
Version
UNI Network 3.1
950c
Admin Status
Up
OK
Cancel
950e

FIG. 5T

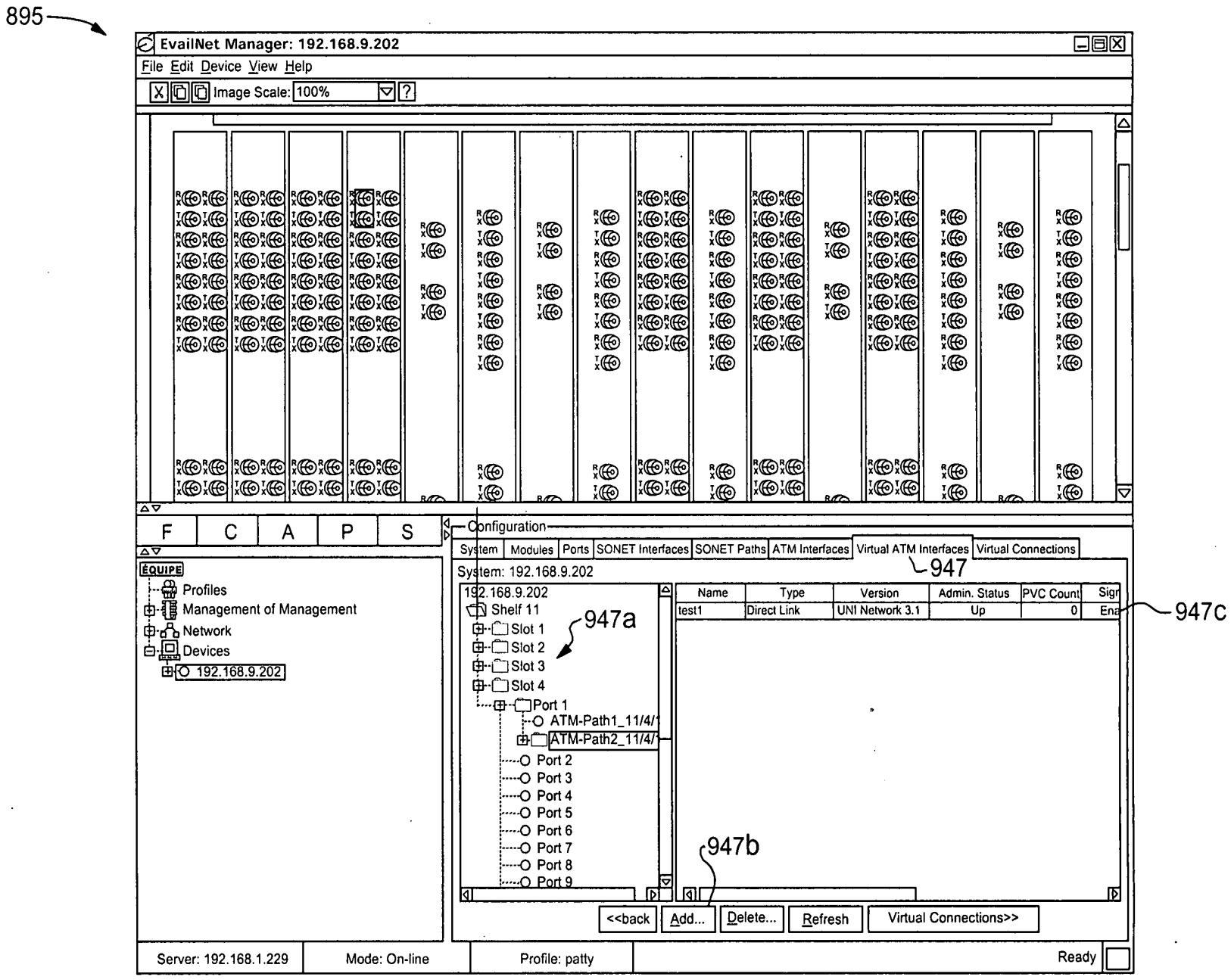

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
947
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
System: 192.168.9.202
192.168.9.202
Shelf 11
947a
Slot 1
Slot 2
Slot 3
Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9
Name Type Version Admin. Status PVC Count Sign
test1 Direct Link UNI Network 3.1 Up 0 Ena
947c
947b
<<back Add... Delete... Refresh Virtual Connections>>
Server: 192.168.1.229 Mode: On-line Profile: patty Ready

FIG. 5U

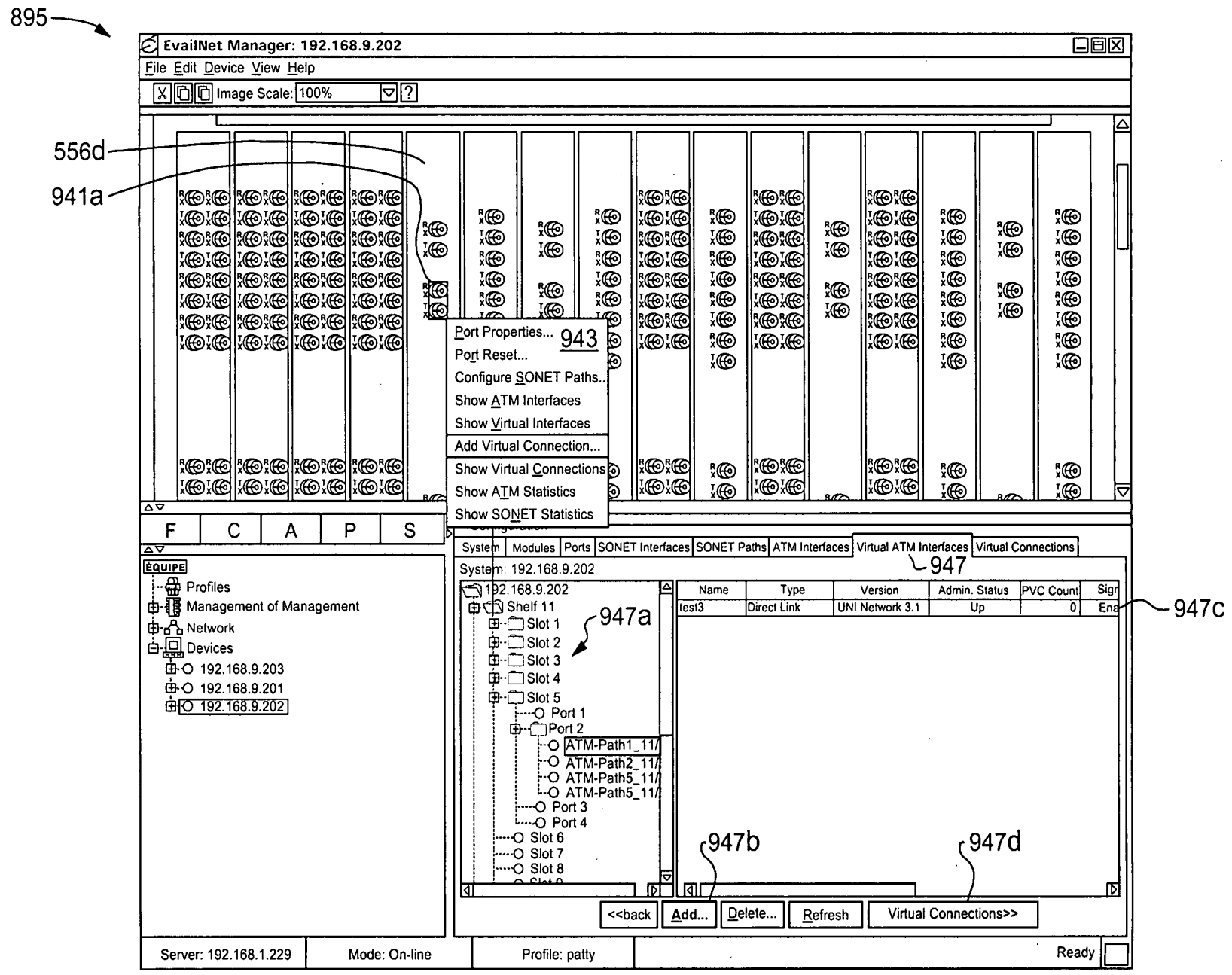

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
556d
941a
Port Properties... 943
Port Reset...
Configure SONET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connection...
Show Virtual Connections
Show ATM Statistics
Show SONET Statistics
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.203
192.168.9.201
192.168.9.202
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.202
947
192.168.9.202
Shelf 11
947a
Slot 1
Slot 2
Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/
ATM-Path2_11/
ATM-Path5_11/
ATM-Path5_11/
Port 3
Port 4
Slot 6
Slot 7
Slot 8
Name Type Version Admin. Status PVC Count Sig
test3 Direct Link UNI Network 3.1 Up 0 Ena
947c
947b
947d
<<back
Add...
Delete...
Refresh
Virtual Connections>>
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5V

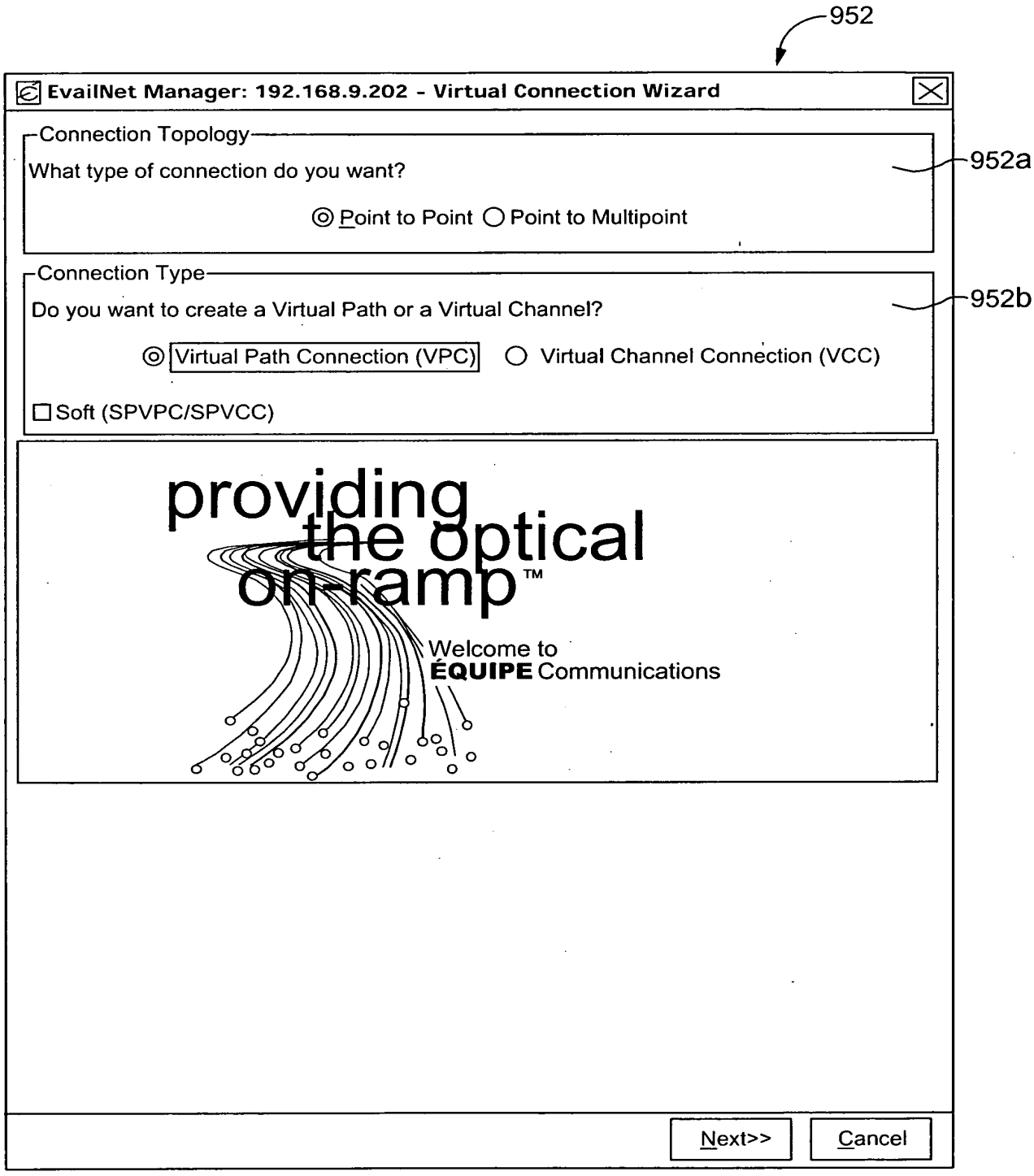

952
EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard
Connection Topology
What type of connection do you want?
952a
Point to Point
Point to Multipoint
Connection Type
Do you want to create a Virtual Path or a Virtual Channel?
952b
Virtual Path Connection (VPC)
Virtual Channel Connection (VCC)
Soft (SPVPC/SPVCC)
providing the optical on-ramp™
Welcome to
ÉQUIPE Communications
Next>>
Cancel

FIG. 5W

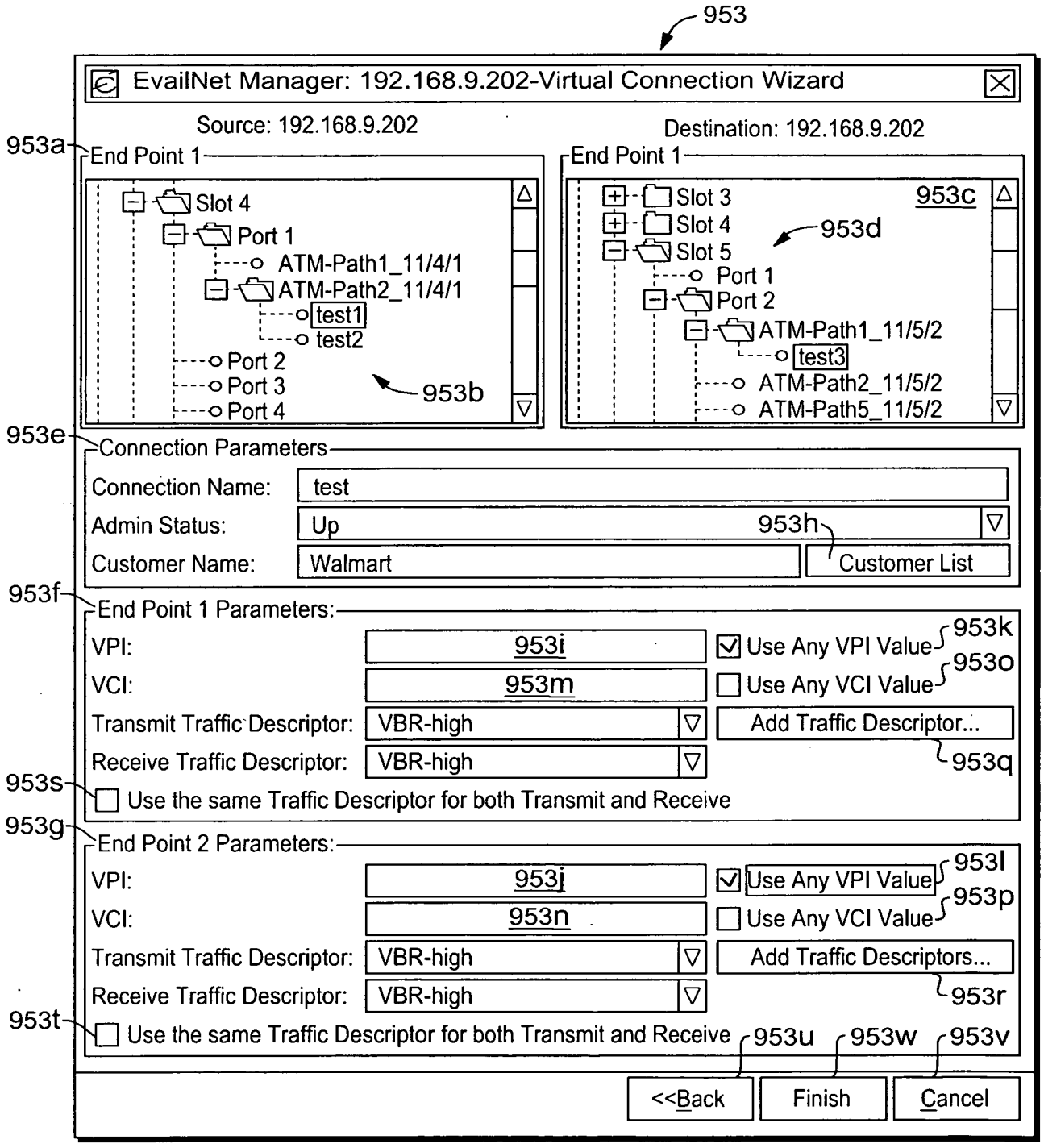

953
EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
Source: 192.168.9.202
Destination: 192.168.9.202
953a
End Point 1
Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4
953b
End Point 1
Slot 3
953c
Slot 4
953d
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path5_11/5/2
953e
Connection Parameters
Connection Name:
test
Admin Status:
Up
953h
Customer Name:
Walmart
Customer List
953f
End Point 1 Parameters:
VPI:
953i
953k
Use Any VPI Value
VCI:
953m
953o
Use Any VCI Value
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptor...
Receive Traffic Descriptor:
VBR-high
953q
953s
Use the same Traffic Descriptor for both Transmit and Receive
953g
End Point 2 Parameters:
VPI:
953j
953l
Use Any VPI Value
VCI:
953n
953p
Use Any VCI Value
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptors...
Receive Traffic Descriptor:
VBR-high
953r
953t
Use the same Traffic Descriptor for both Transmit and Receive
953u
953w
953v
<<Back
Finish
Cancel

FIG. 5X

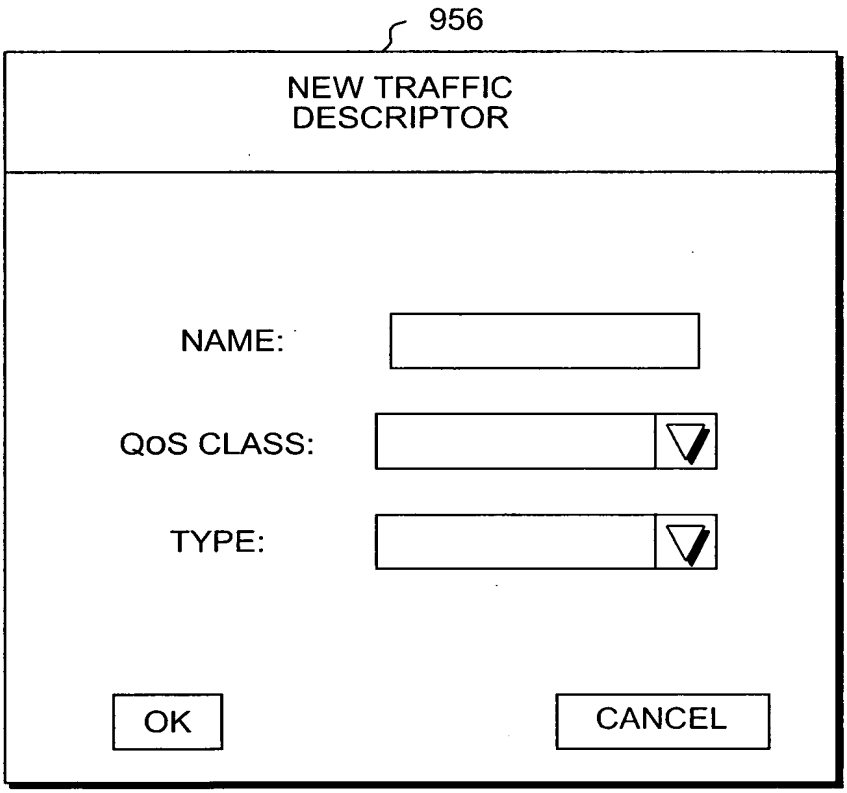


FIG. 5Y

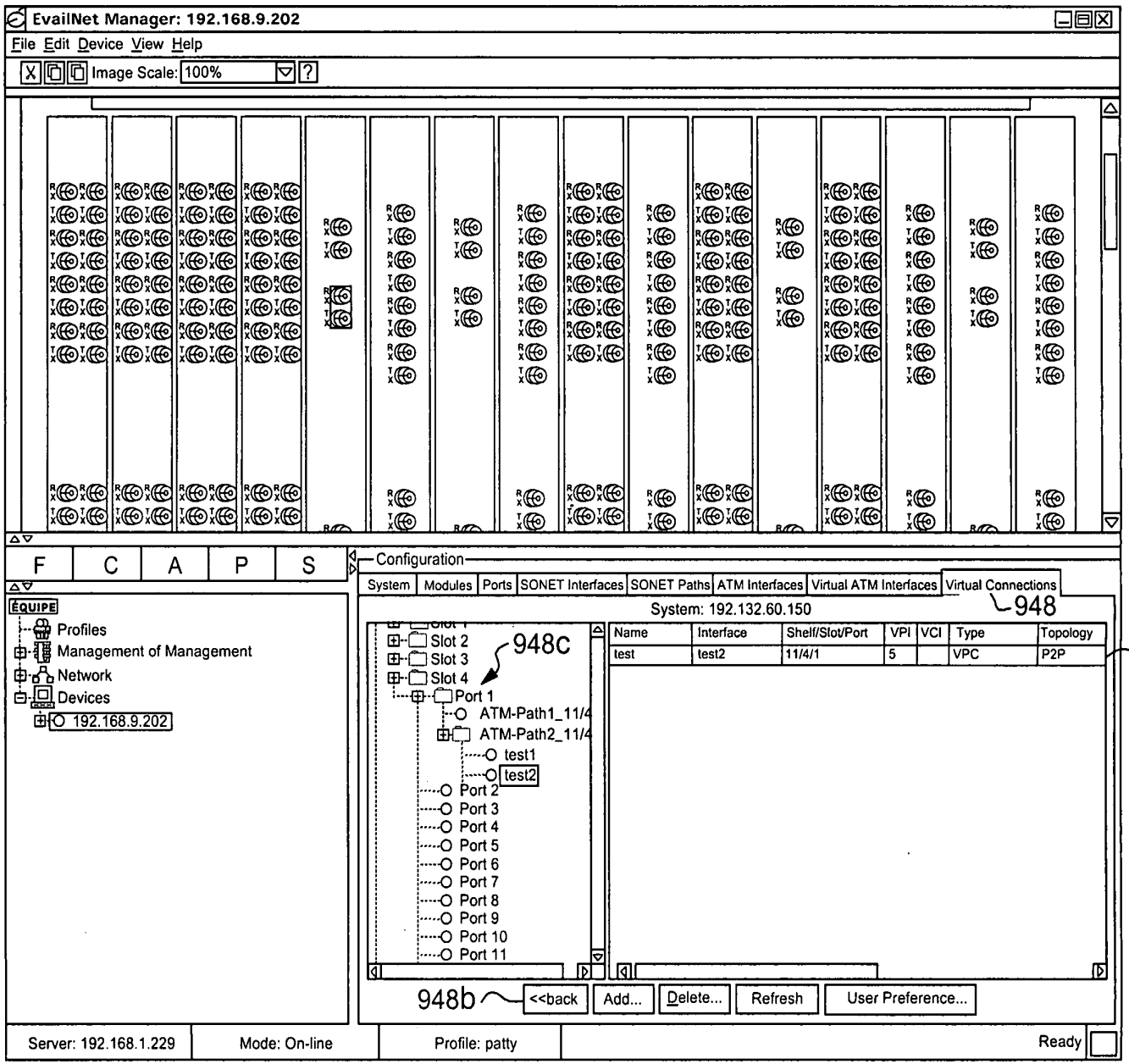

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
948
System: 192.132.60.150
948c
Slot 2
Slot 3
Slot 4
Port 1
ATM-Path1_11/4
ATM-Path2_11/4
test1
test2
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9
Port 10
Port 11
Name Interface Shelf/Slot/Port VPI VCI Type Topology
test test2 11/4/1 5 VPC P2P
948a
948b
<<back
Add...
Delete...
Refresh
User Preference...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 5Z

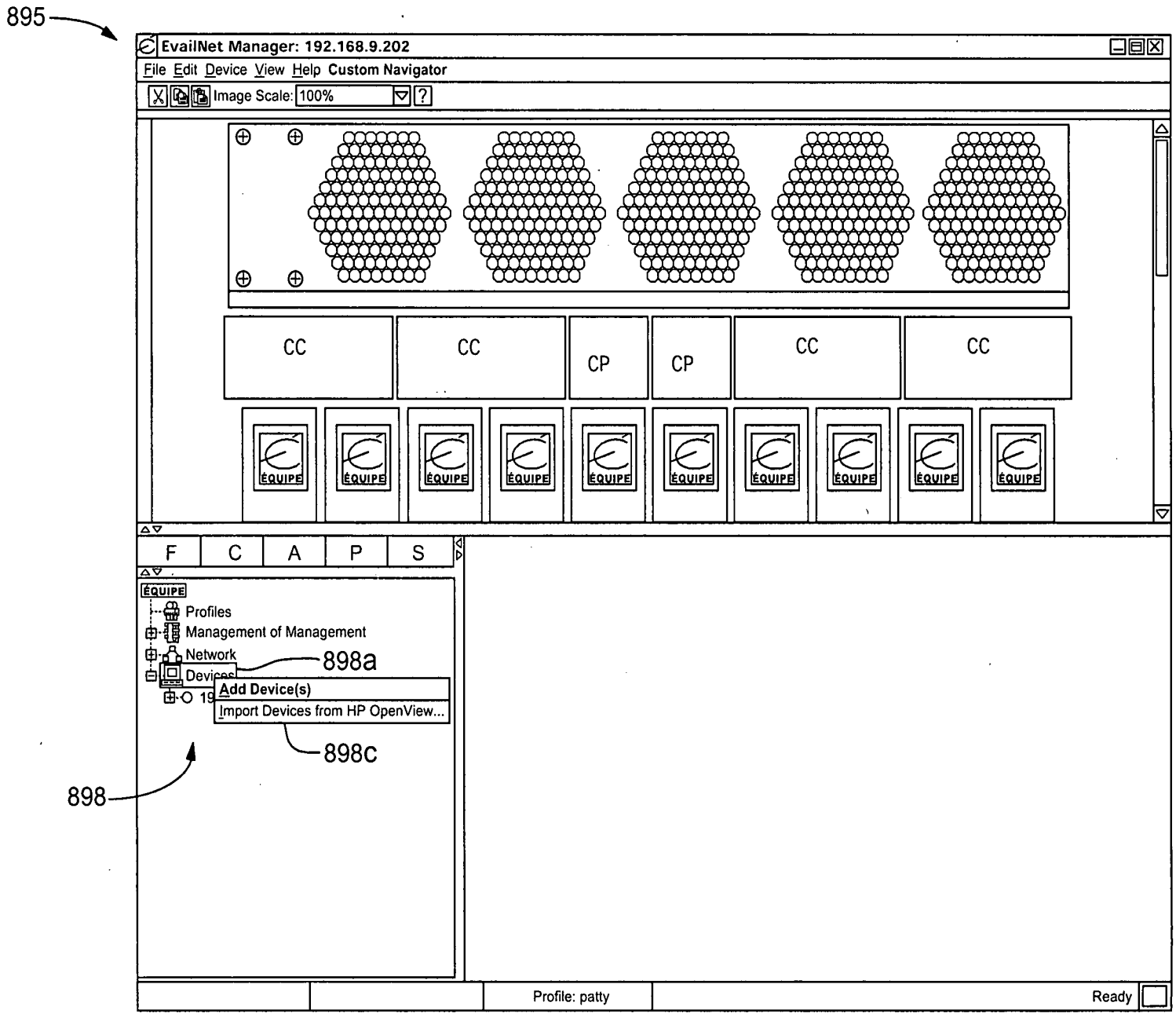

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help Custom Navigator
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
Add Device(s)
Import Devices from HP OpenView...
898a
898c
898
Profile: patty
Ready

FIG. 6A

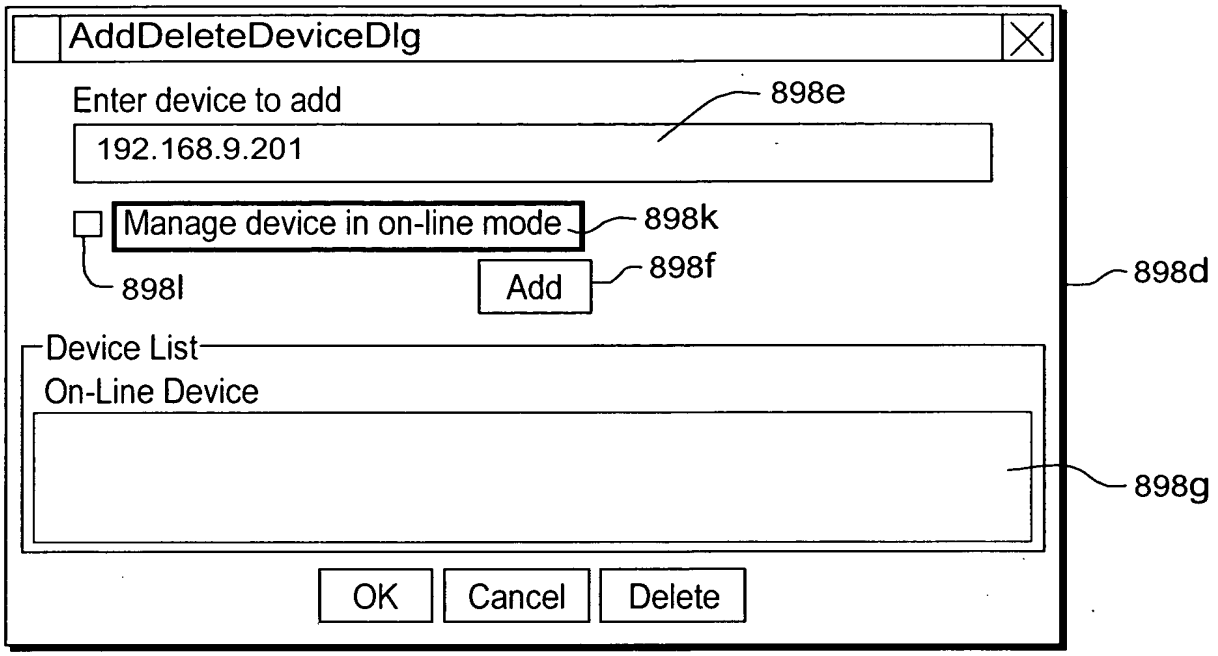

AddDeleteDeviceDlg
Enter device to add
898e
192.168.9.201
Manage device in on-line mode
898k
898l
Add
898f
898d
Device List
On-Line Device
898g
OK
Cancel
Delete

FIG. 6B

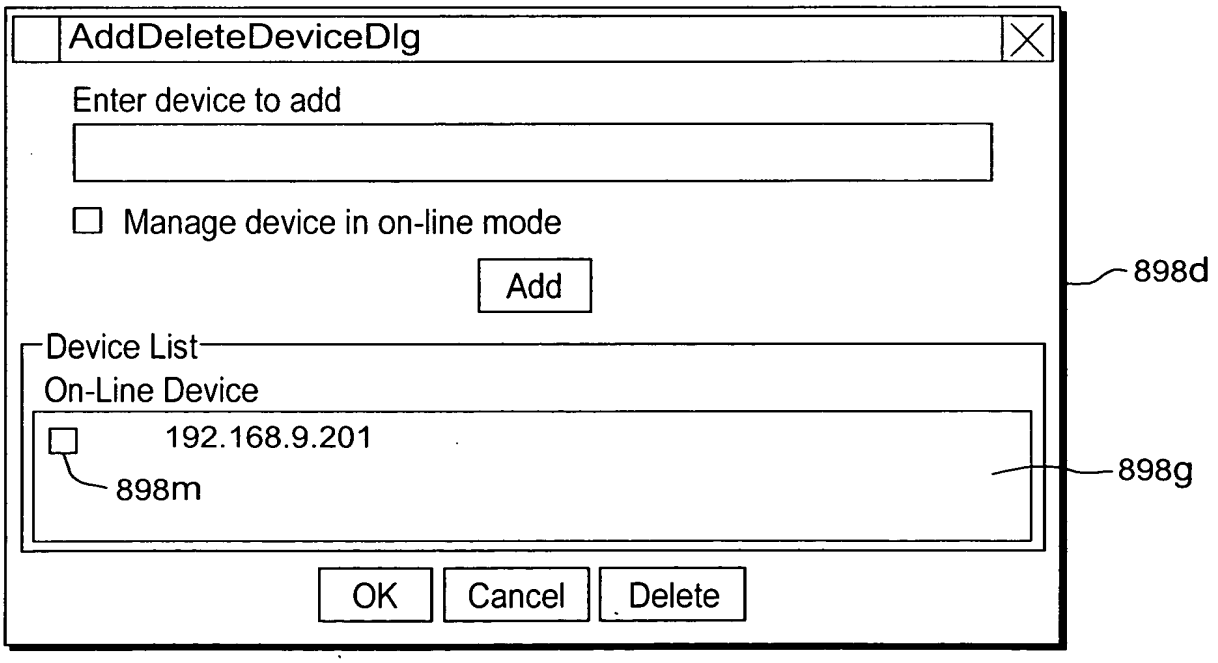

AddDeleteDeviceDlg
Enter device to add
Manage device in on-line mode
Add
898d
Device List
On-Line Device
192.168.9.201
898m
898g
OK
Cancel
Delete

FIG. 6C

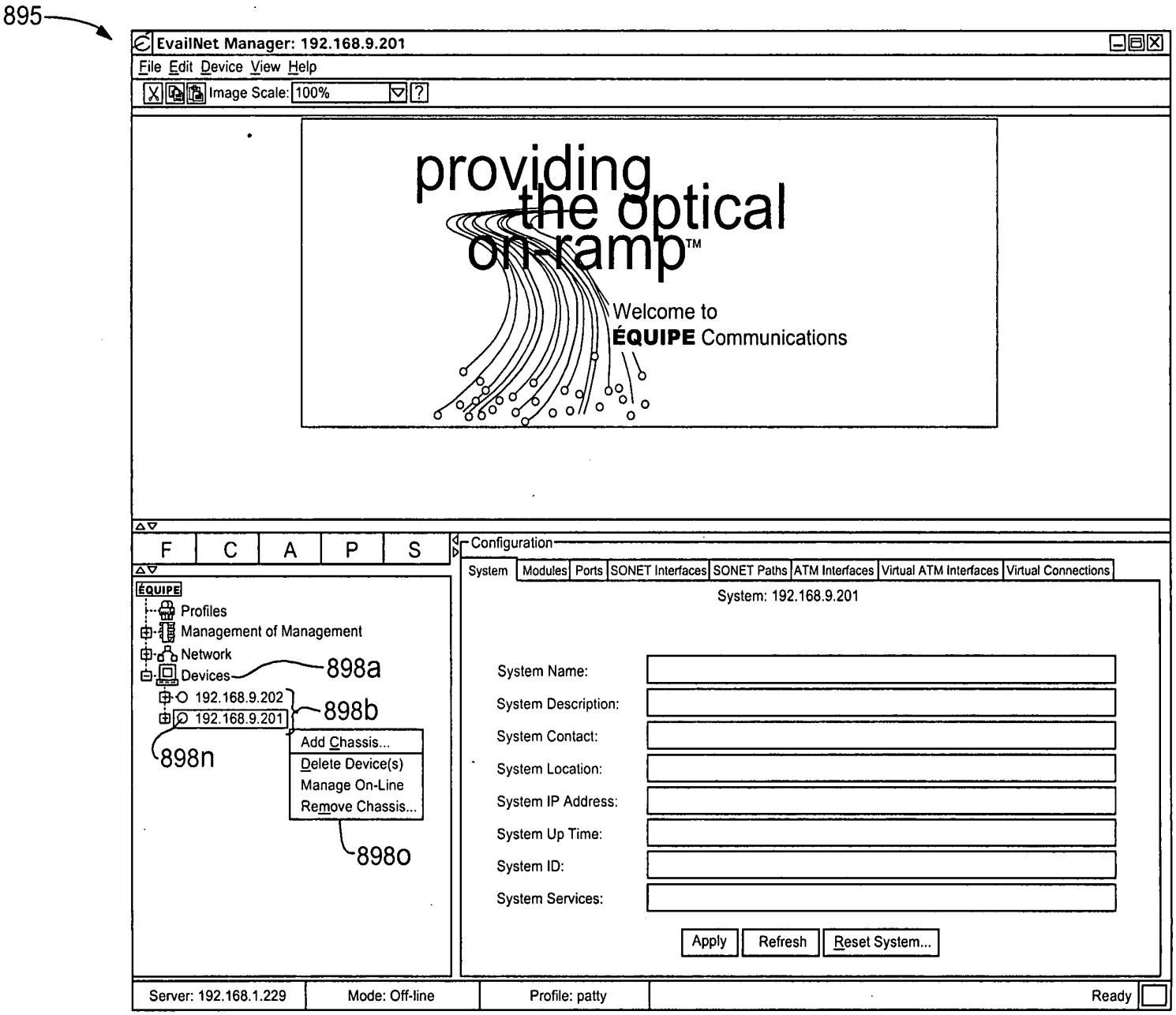

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
providing the optical on-ramp™
Welcome to
ÉQUIPE Communications
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
898a
898b
898n
Add Chassis...
Delete Device(s)
Manage On-Line
Remove Chassis...
898o
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply Refresh Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6D

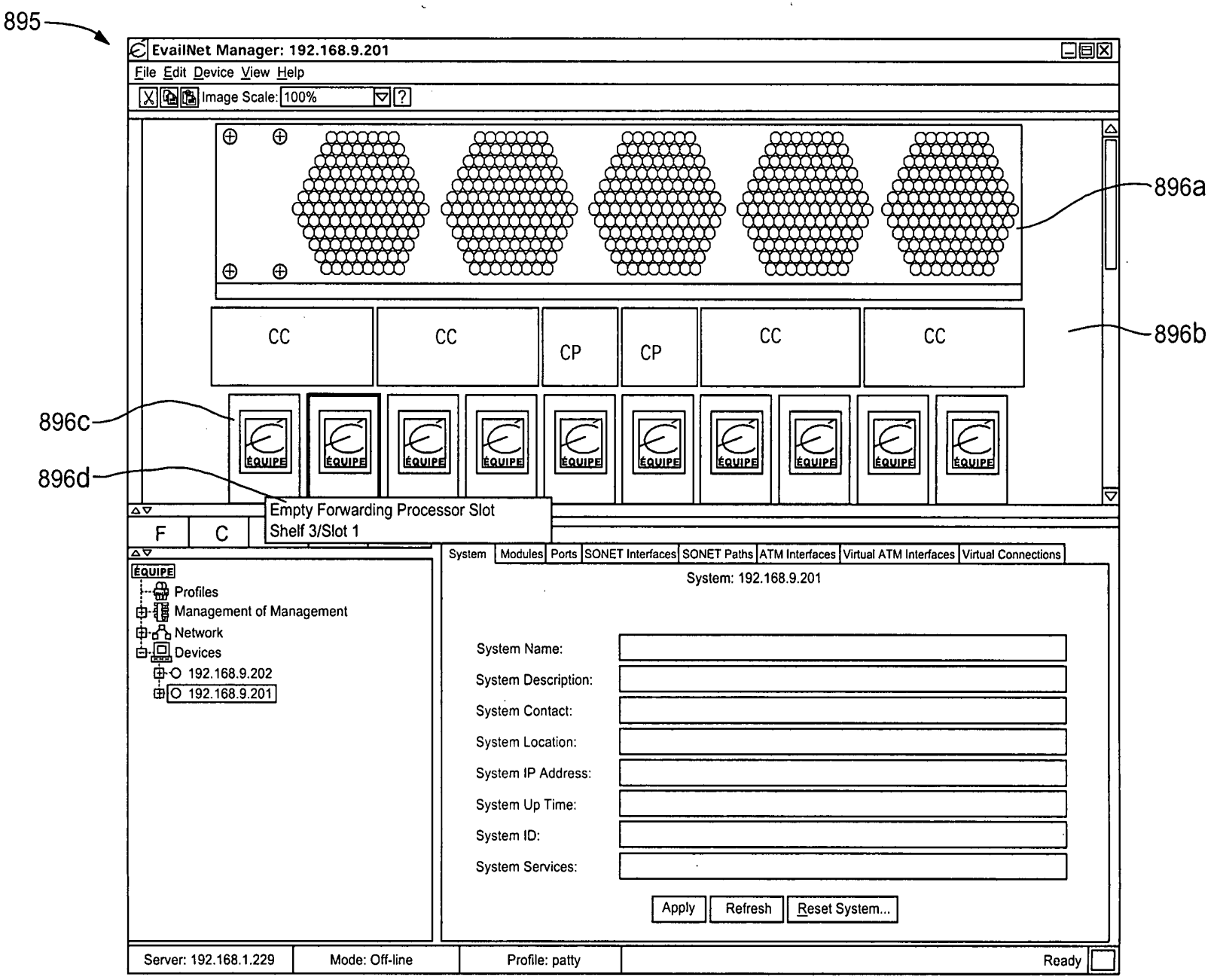

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
896a
896b
CC
CC
CP
CP
CC
CC
896c
896d
ÉQUIPE
Empty Forwarding Processor Slot
Shelf 3/Slot 1
F
C
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6E

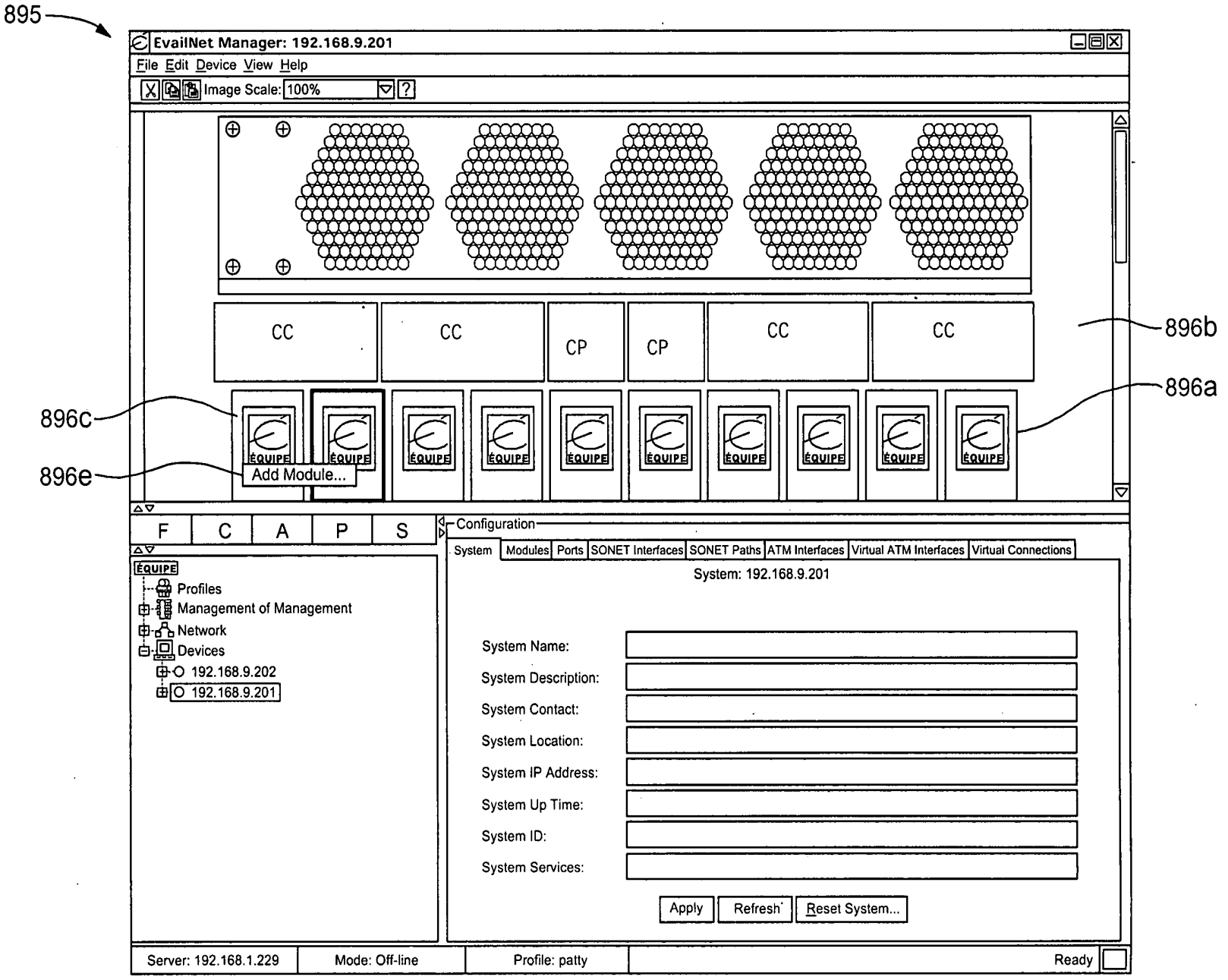

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
896b
896a
896c
896e
Add Module...
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.201
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6F

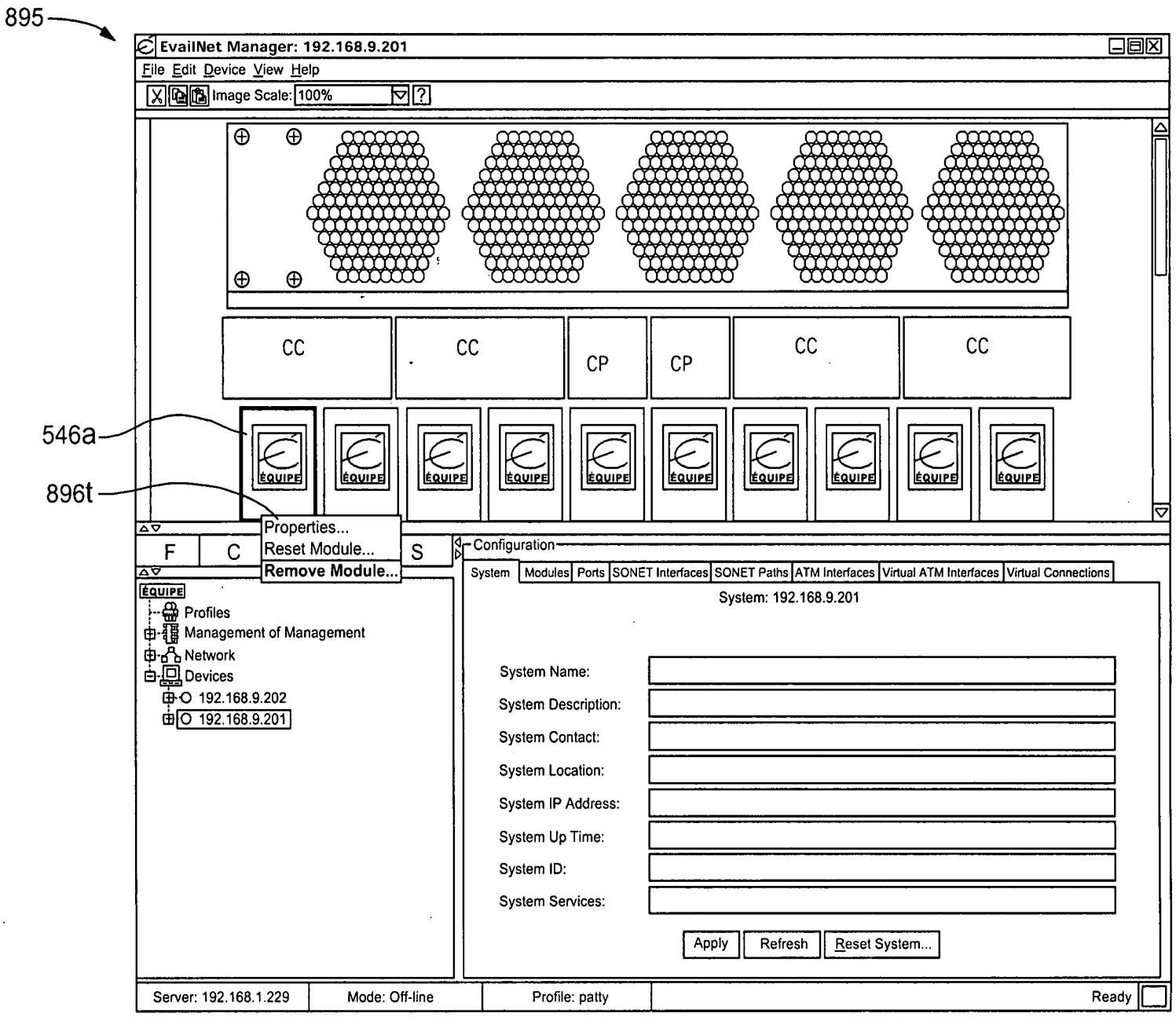

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
546a
896t
ÉQUIPE
Properties...
Reset Module...
Remove Module...
F
C
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.201
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6G

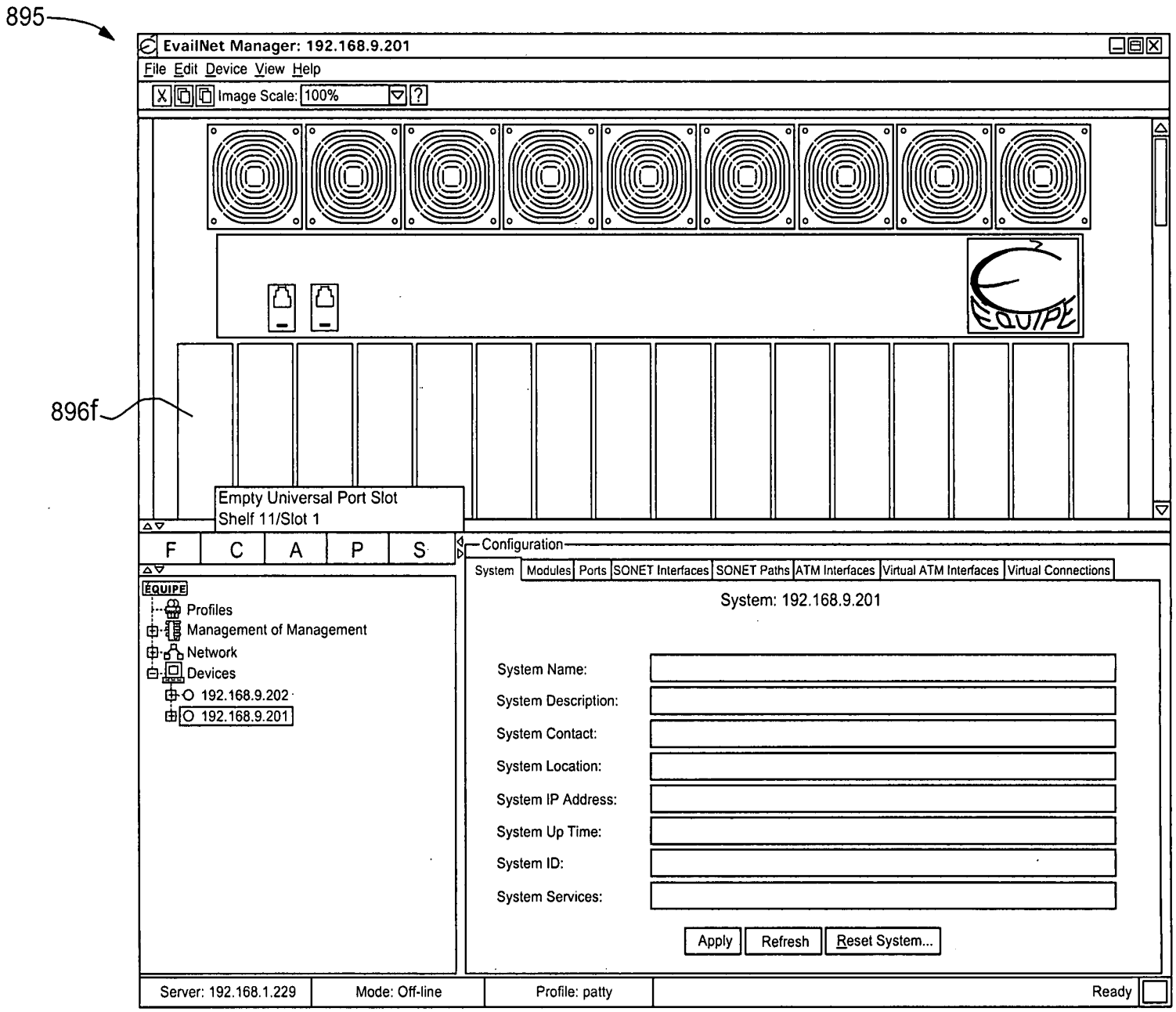

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
896f
Empty Universal Port Slot
Shelf 11/Slot 1
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6H

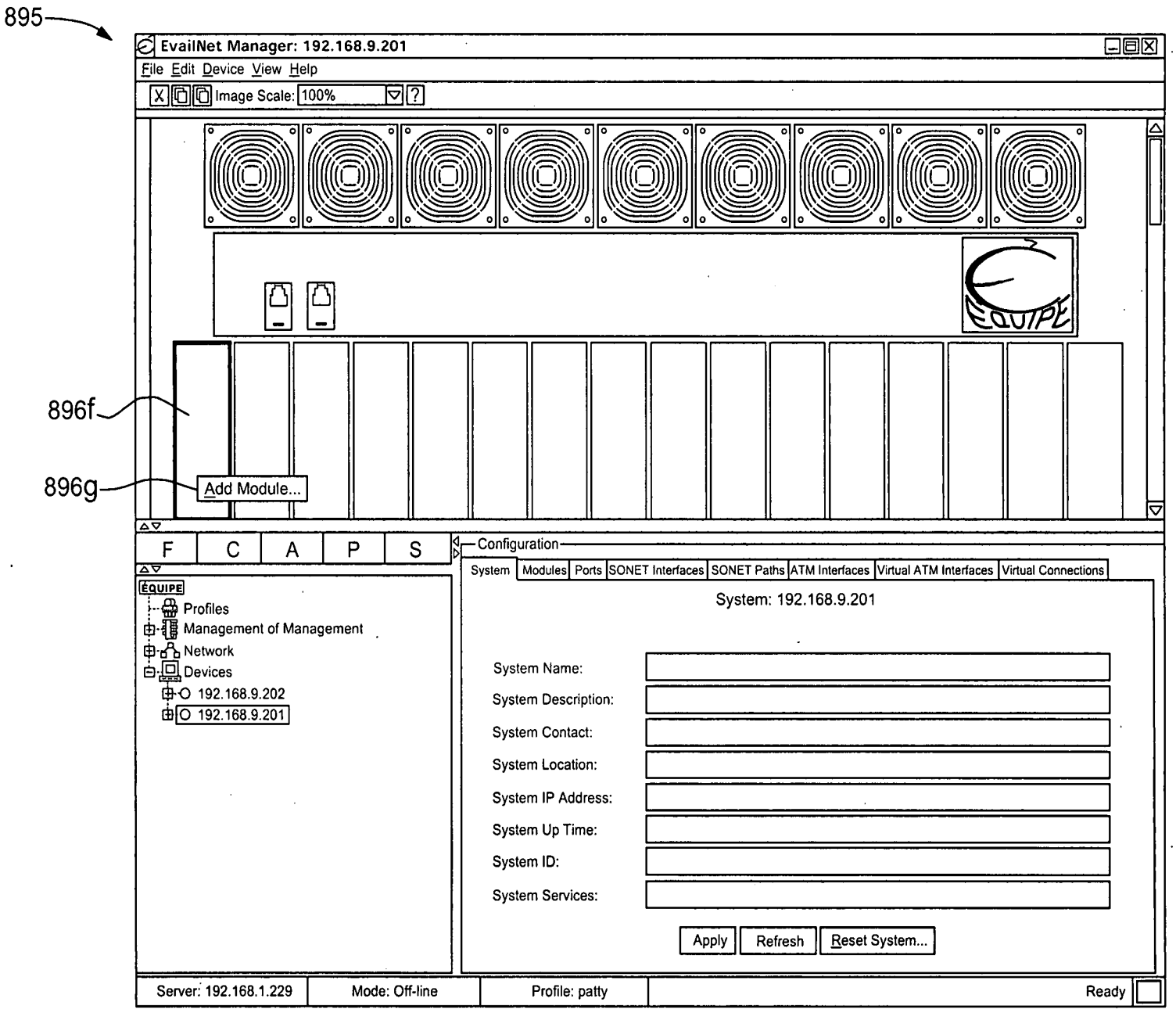

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
896f
896g
Add Module...
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6I

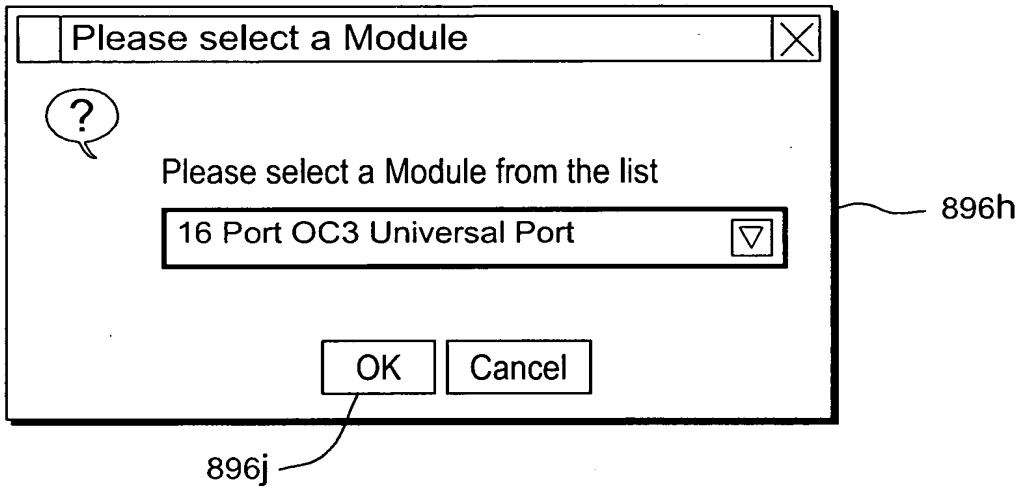

Please select a Module
Please select a Module from the list
16 Port OC3 Universal Port
OK
Cancel
896h
896j

FIG. 6J

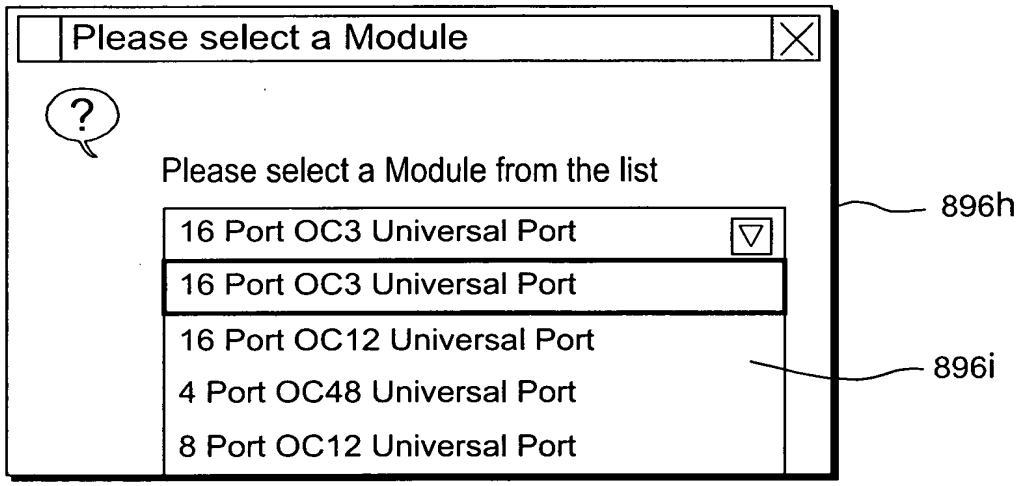

Please select a Module
Please select a Module from the list
16 Port OC3 Universal Port
16 Port OC3 Universal Port
16 Port OC12 Universal Port
4 Port OC48 Universal Port
8 Port OC12 Universal Port
896h
896i

FIG. 6K

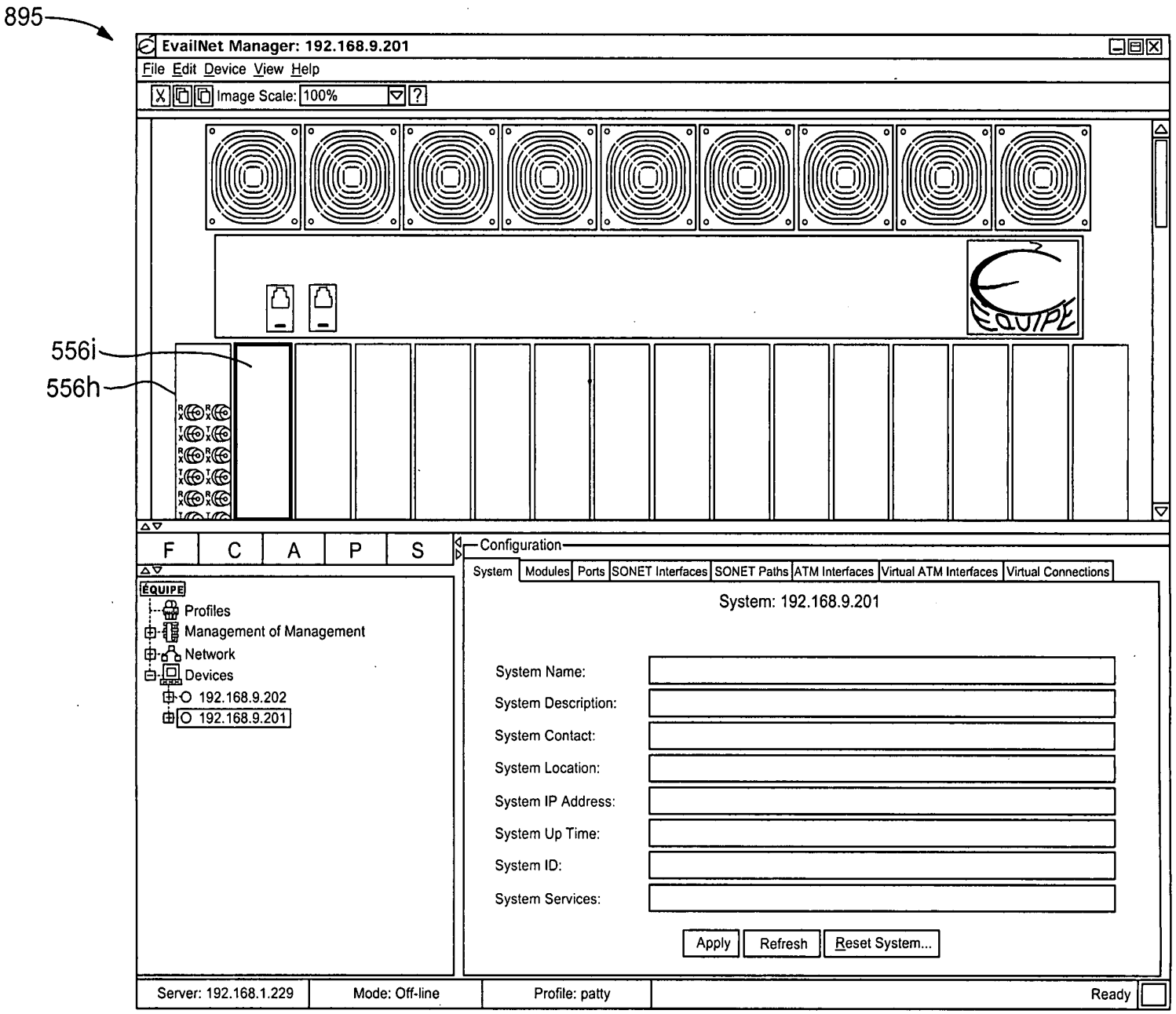

895
556i
556h
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
EQUIPE
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6L

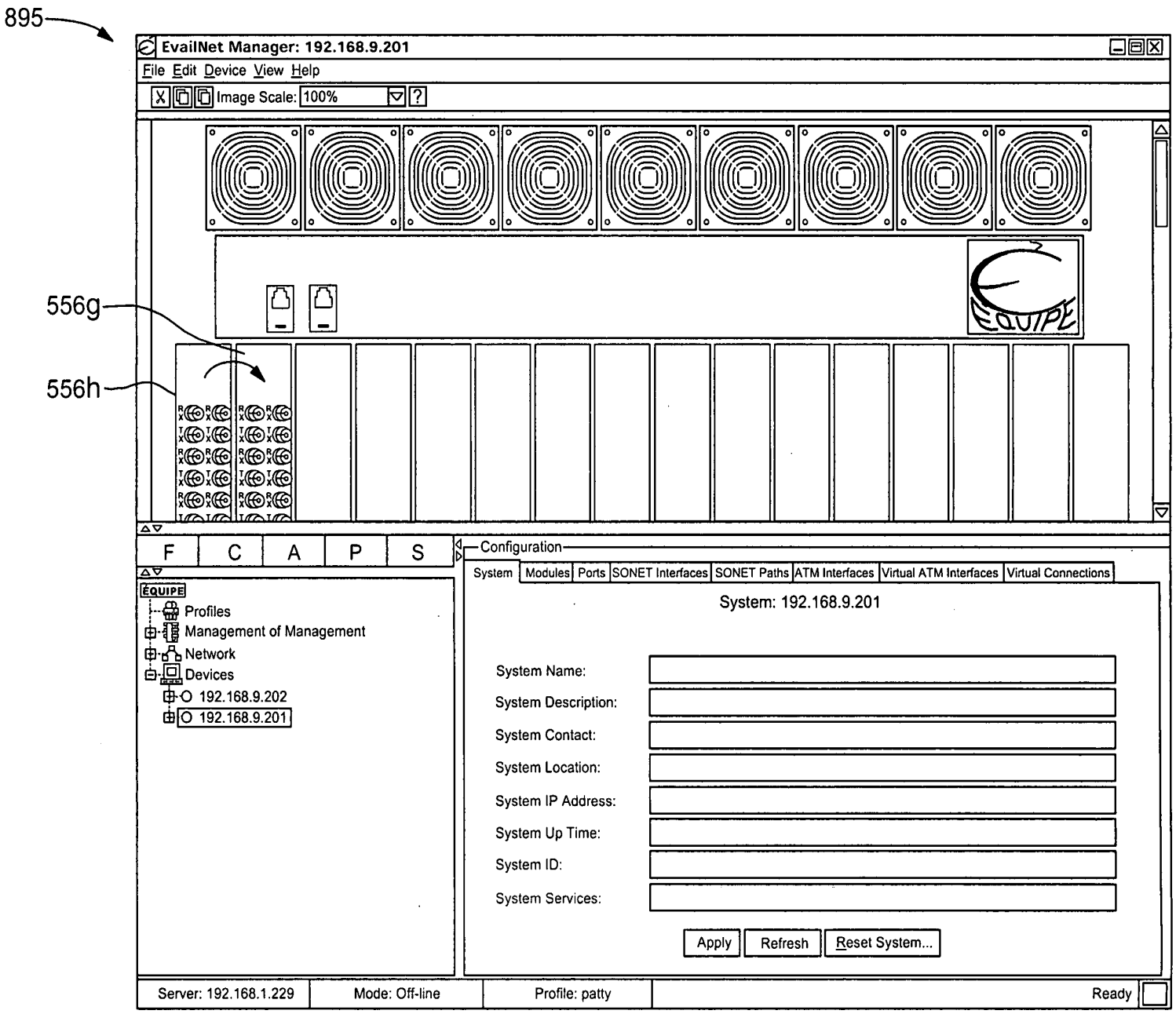

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
556g
556h
EQUIPE
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6M

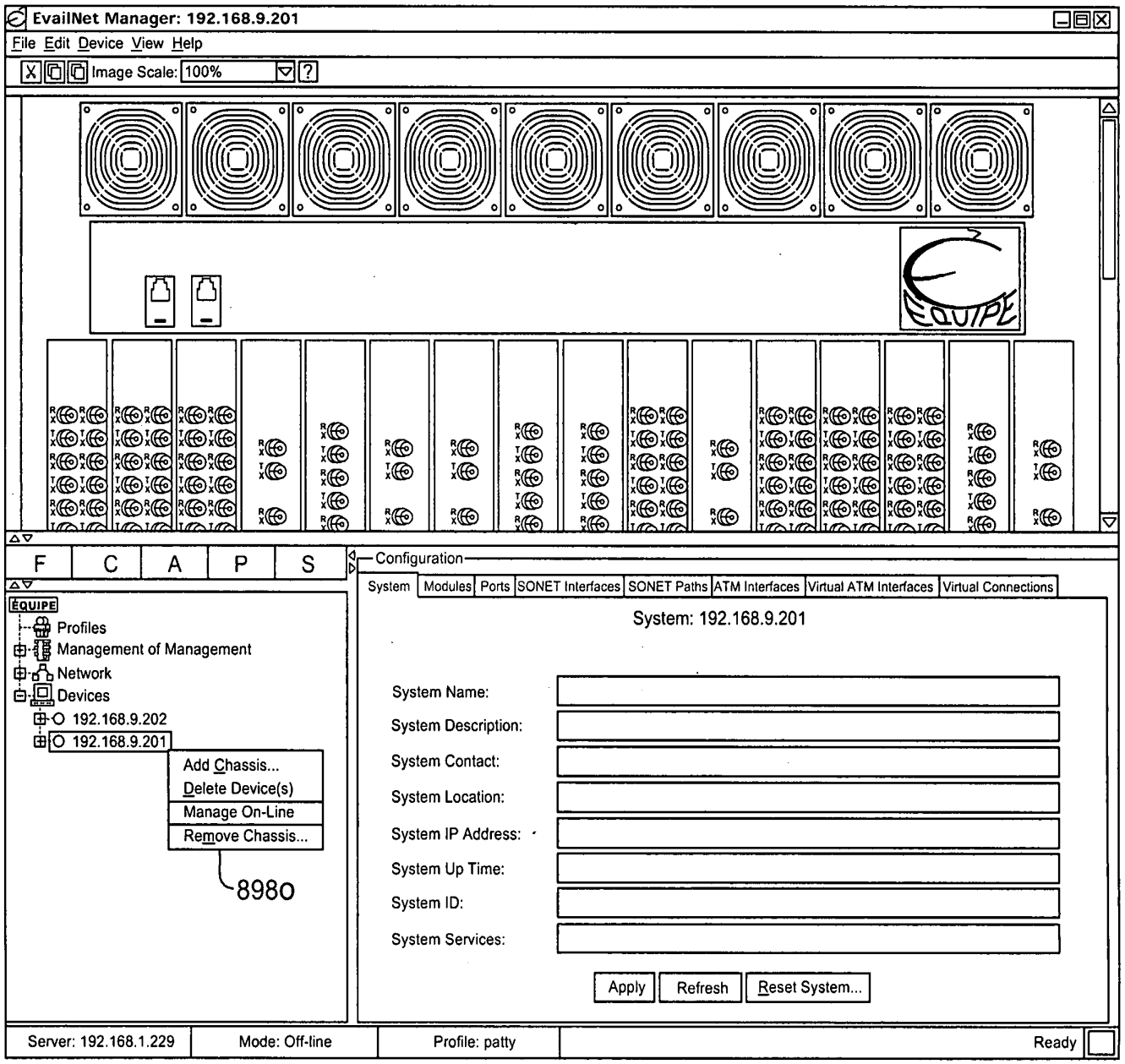

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
Add Chassis...
Delete Device(s)
Manage On-Line
Remove Chassis...
8980
System: 192.168.9.201
System Name:
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 6N

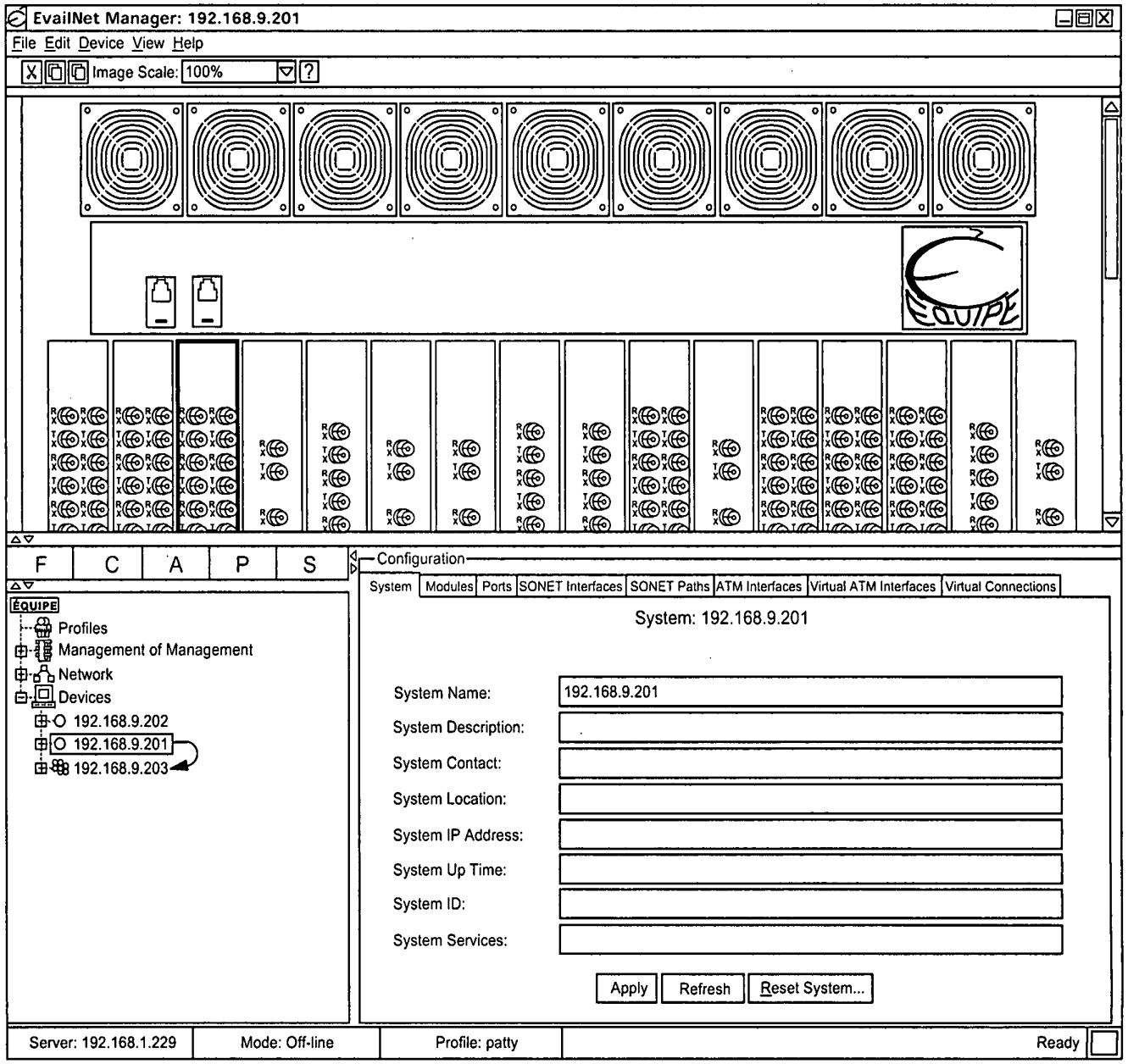

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
192.168.9.203
System: 192.168.9.201
System Name: 192.168.9.201
System Description:
System Contact:
System Location:
System IP Address:
System Up Time:
System ID:
System Services:
Apply Refresh Reset System...
Server: 192.168.1.229
Mode: Off-line
Profile: patty
Ready

FIG. 60

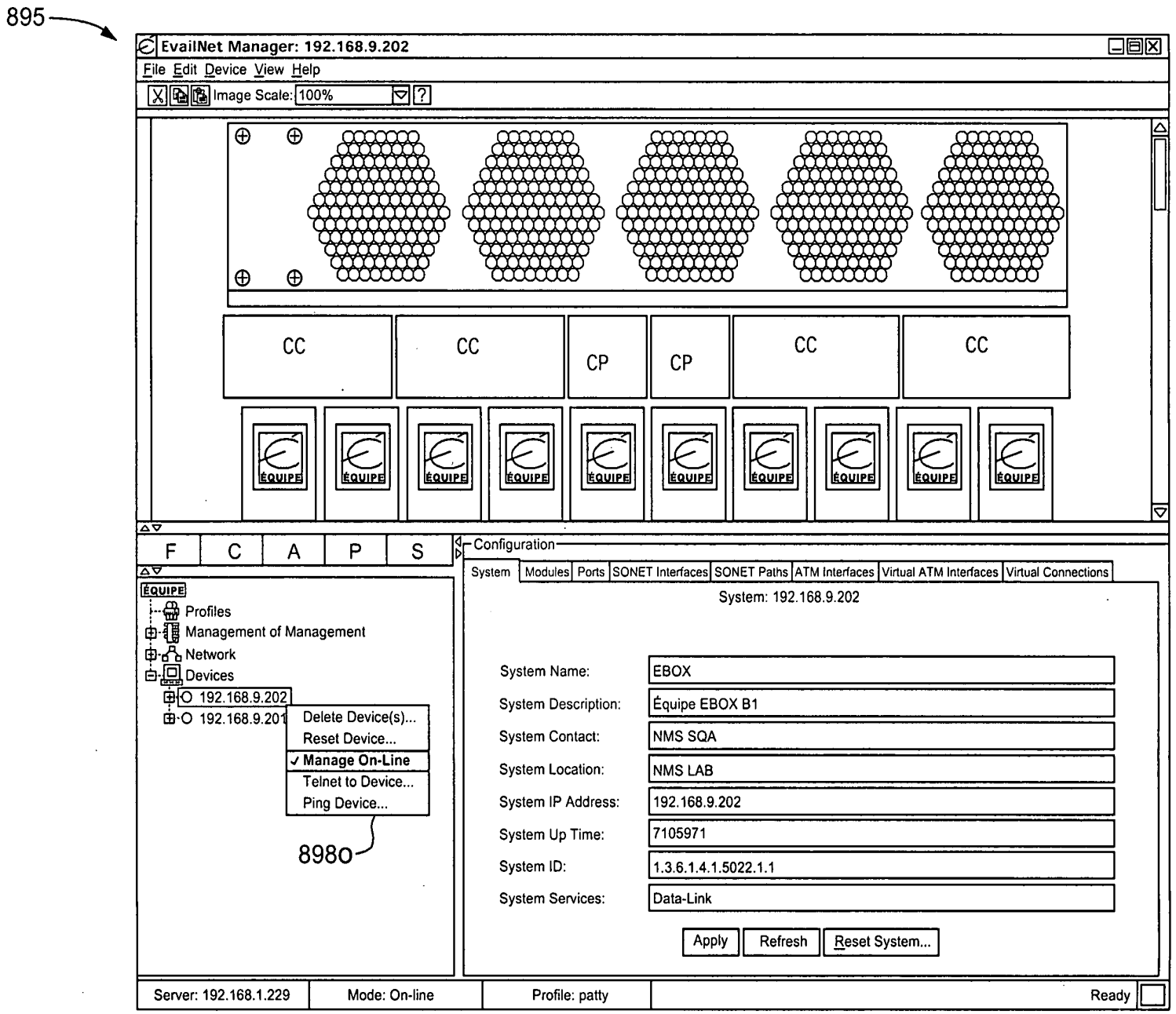

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.202
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
Delete Device(s)...
Reset Device...
✓ Manage On-Line
Telnet to Device...
Ping Device...
8980
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7105971
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 6P

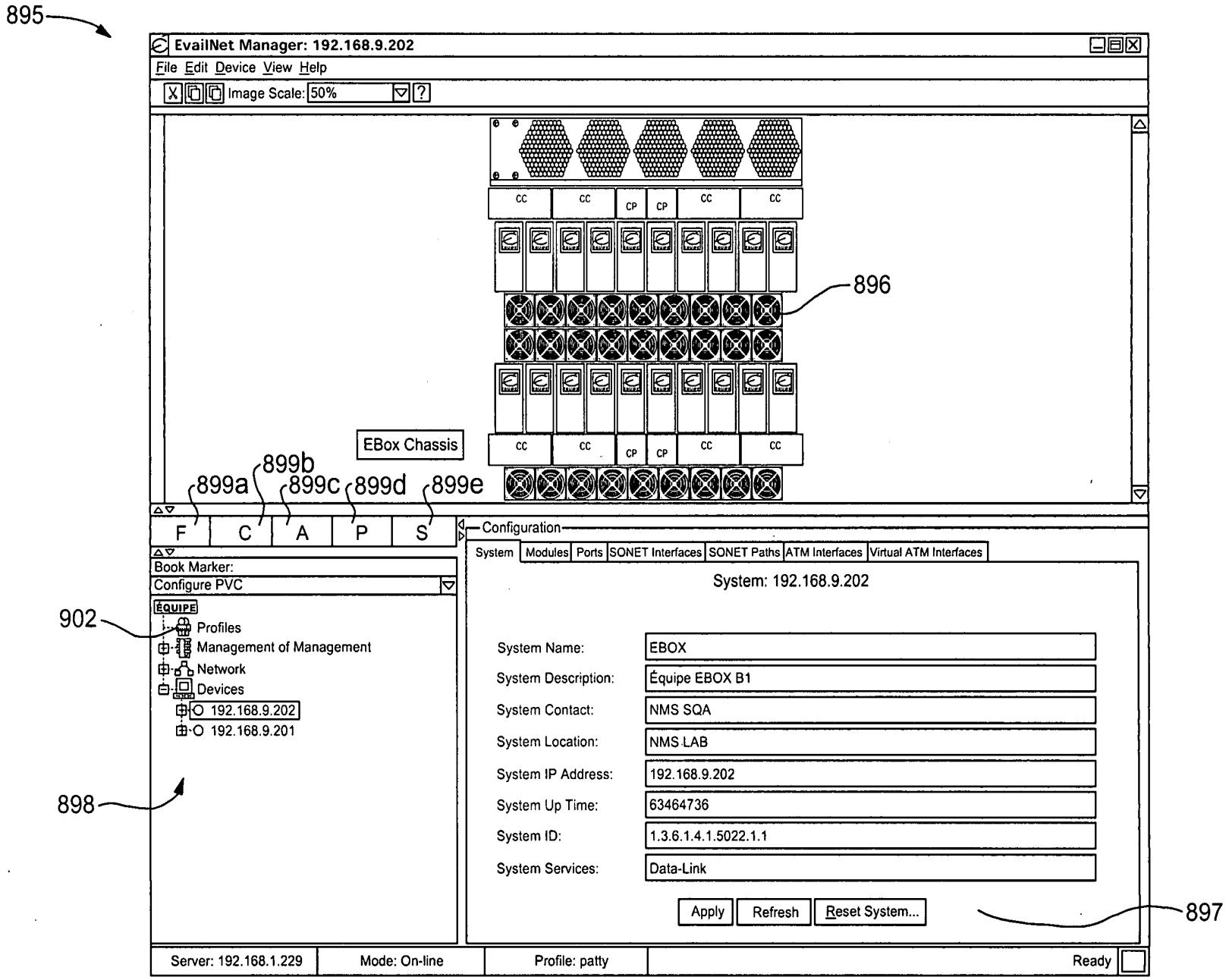

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 50%
CC
CP
896
EBox Chassis
899a
899b
899c
899d
899e
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
System: 192.168.9.202
Book Marker:
Configure PVC
ÉQUIPE
902
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
898
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 63464736
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 7A

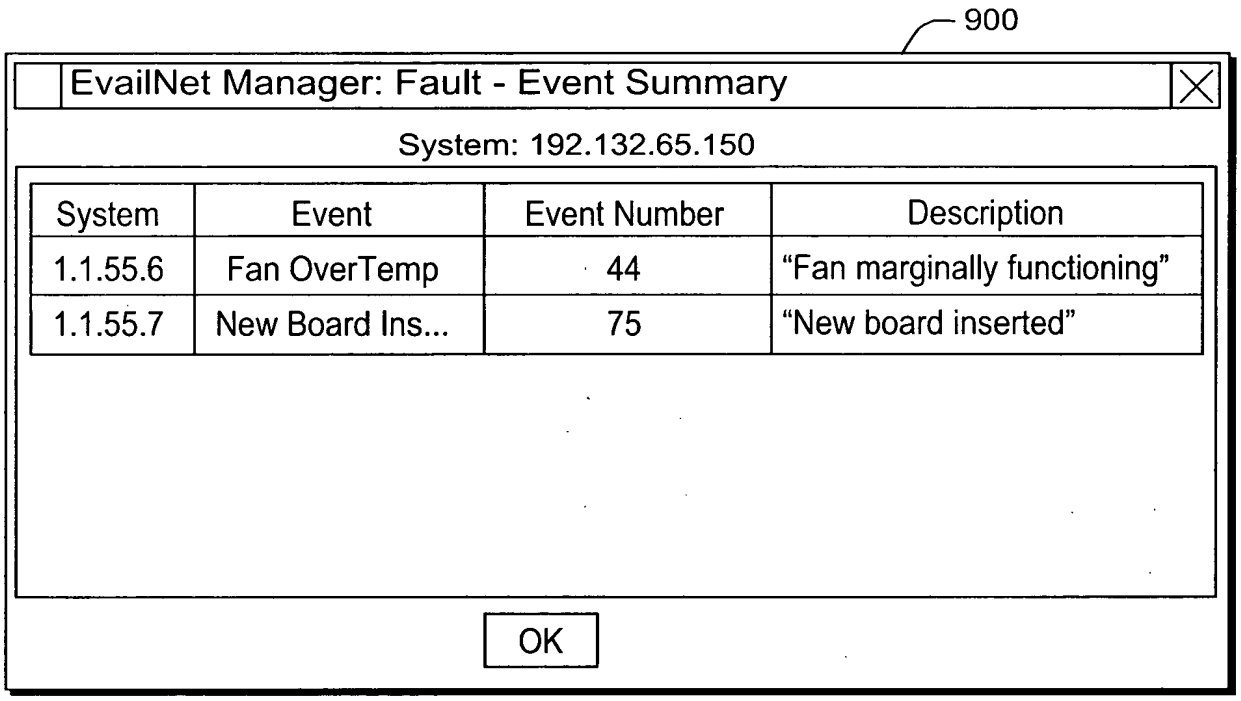

900
EvailNet Manager: Fault - Event Summary
System: 192.132.65.150
System
Event
Event Number
Description
1.1.55.6
Fan OverTemp
44
"Fan marginally functioning"
1.1.55.7
New Board Ins...
75
"New board inserted"
OK

FIG. 7B

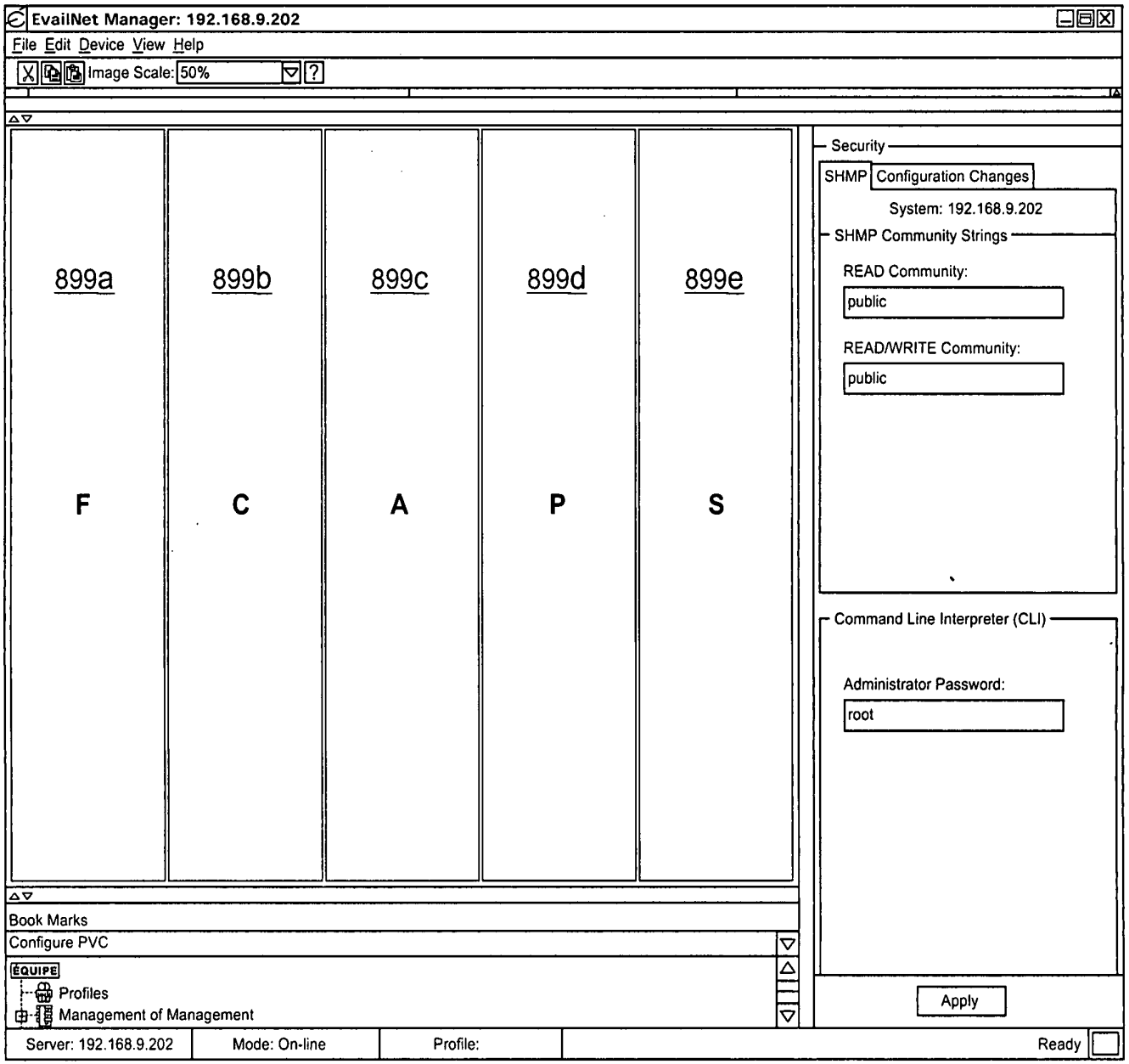

EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 50%
899a
899b
899c
899d
899e
F
C
A
P
S
Security
SHMP
Configuration Changes
System: 192.168.9.202
SHMP Community Strings
READ Community:
public
READ/WRITE Community:
public
Command Line Interpreter (CLI)
Administrator Password:
root
Apply
Book Marks
Configure PVC
ÉQUIPE
Profiles
Management of Management
Server: 192.168.9.202
Mode: On-line
Profile:
Ready

FIG. 7C

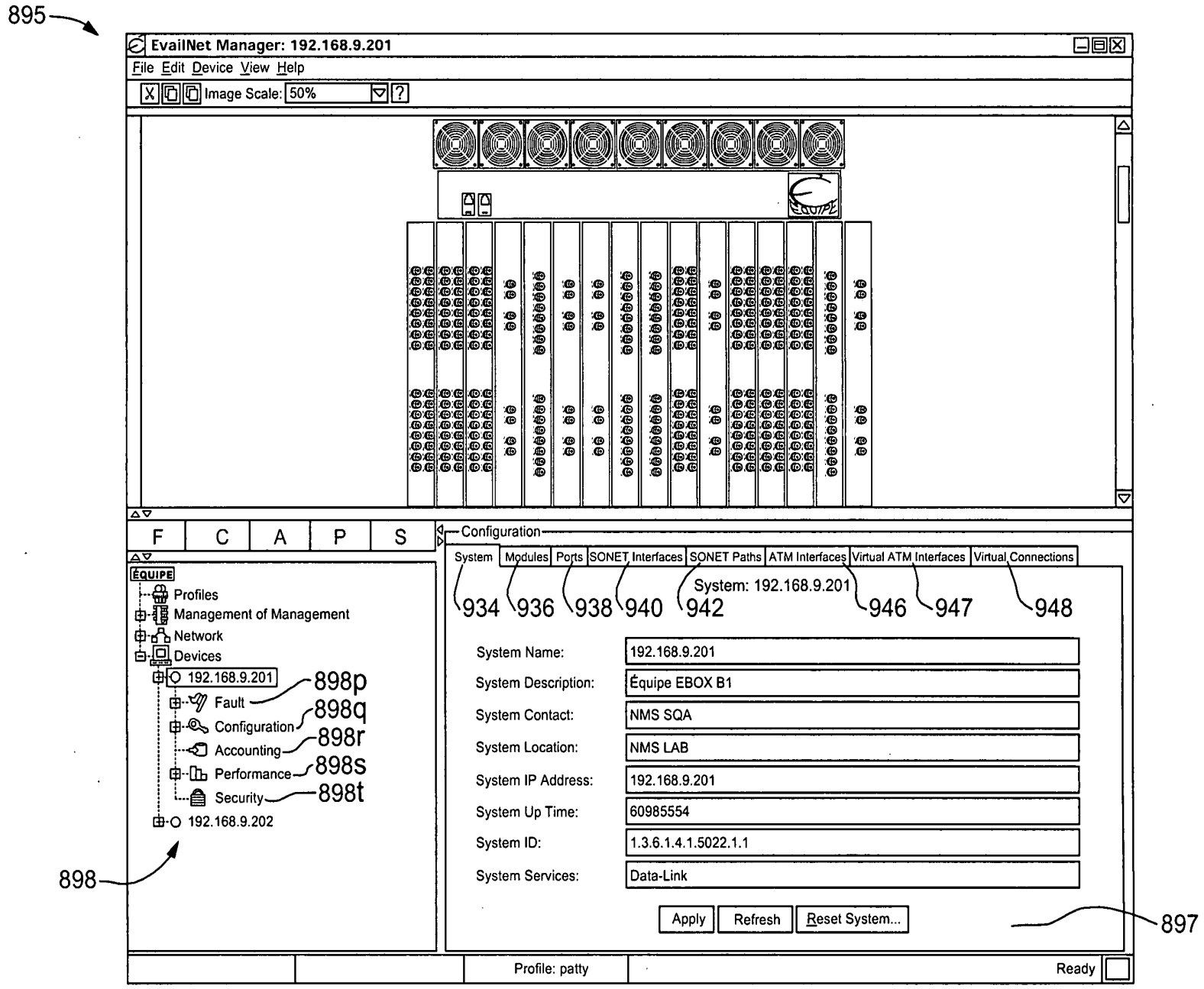

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
934 936 938 940 942 946 947 948
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
192.168.9.202
898p
898q
898r
898s
898t
898
System Name: 192.168.9.201
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 60985554
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
897
Profile: patty
Ready

FIG. 7D

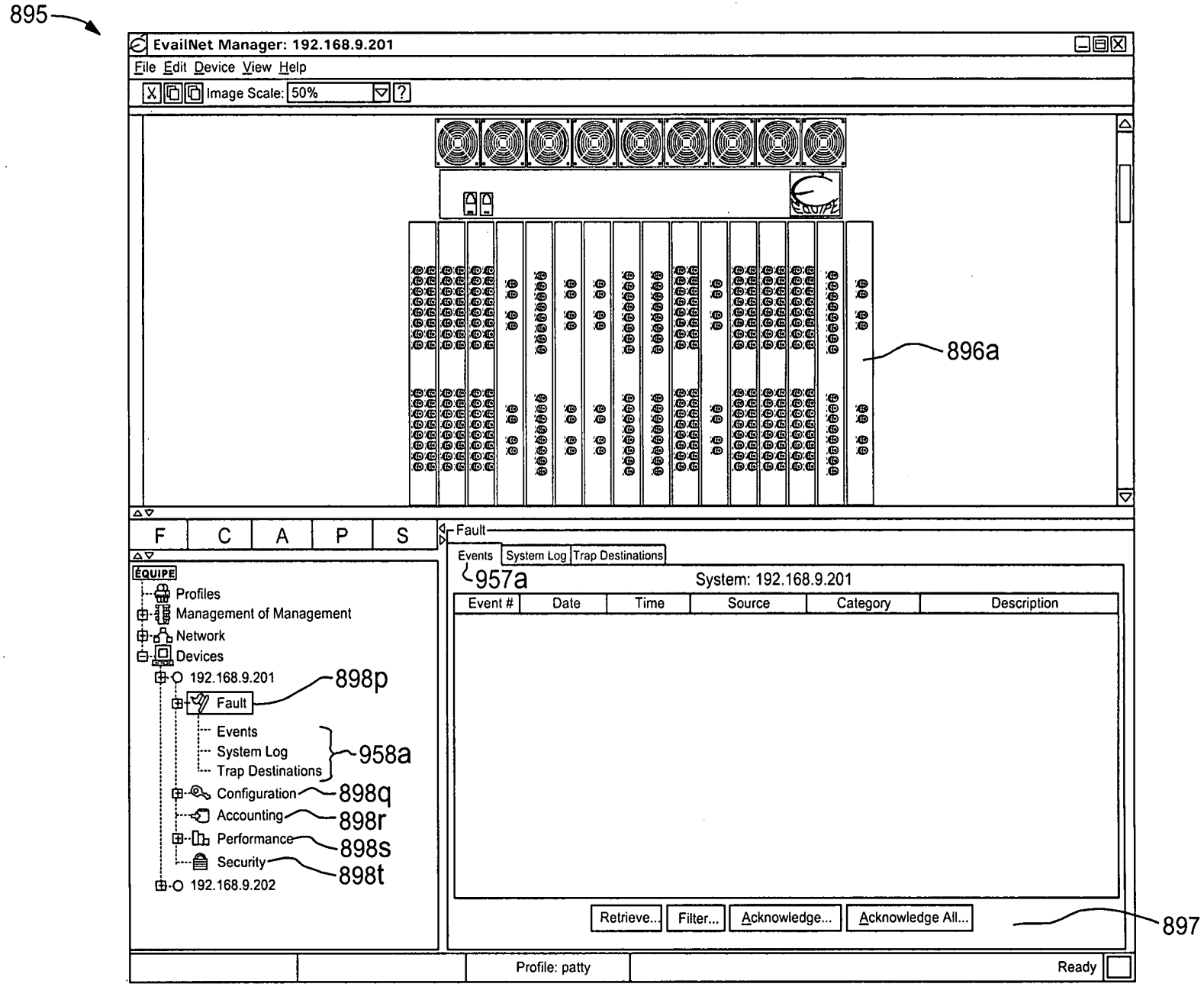

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F
C
A
P
S
Fault
Events
System Log
Trap Destinations
957a
System: 192.168.9.201
Event #
Date
Time
Source
Category
Description
Profiles
Management of Management
Network
Devices
192.168.9.201
898p
Fault
Events
System Log
Trap Destinations
958a
Configuration
898q
Accounting
898r
Performance
898s
Security
898t
192.168.9.202
Retrieve...
Filter...
Acknowledge...
Acknowledge All...
897
Profile: patty
Ready

FIG. 7E

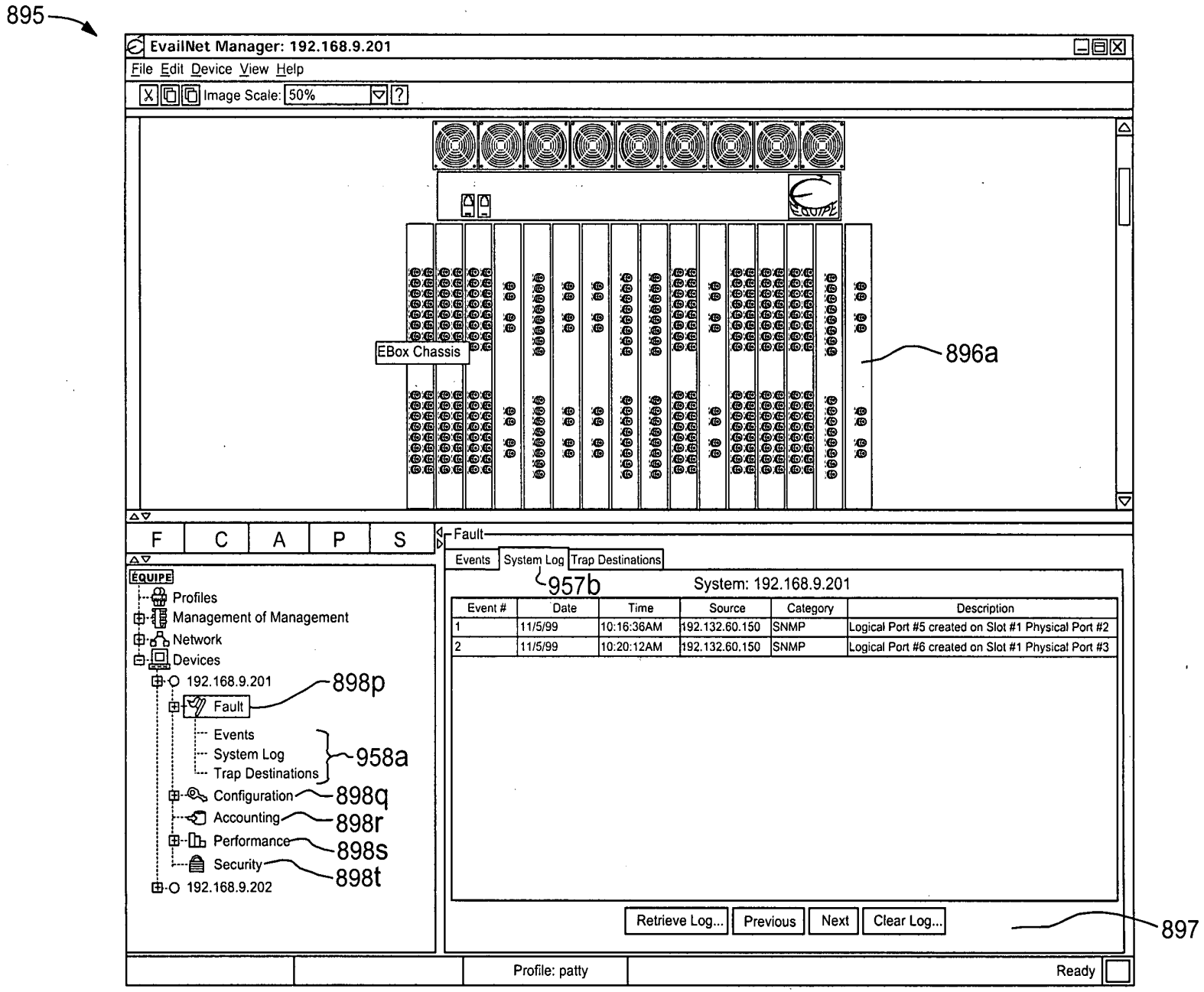

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
EBox Chassis
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
898p
Fault
Events
System Log
Trap Destinations
958a
Configuration
898q
Accounting
898r
Performance
898s
Security
898t
192.168.9.202
Fault
Events
System Log
Trap Destinations
957b
System: 192.168.9.201
Event # | Date | Time | Source | Category | Description
1 | 11/5/99 | 10:16:36AM | 192.132.60.150 | SNMP | Logical Port #5 created on Slot #1 Physical Port #2
2 | 11/5/99 | 10:20:12AM | 192.132.60.150 | SNMP | Logical Port #6 created on Slot #1 Physical Port #3
Retrieve Log...
Previous
Next
Clear Log...
897
Profile: patty
Ready

FIG. 7F

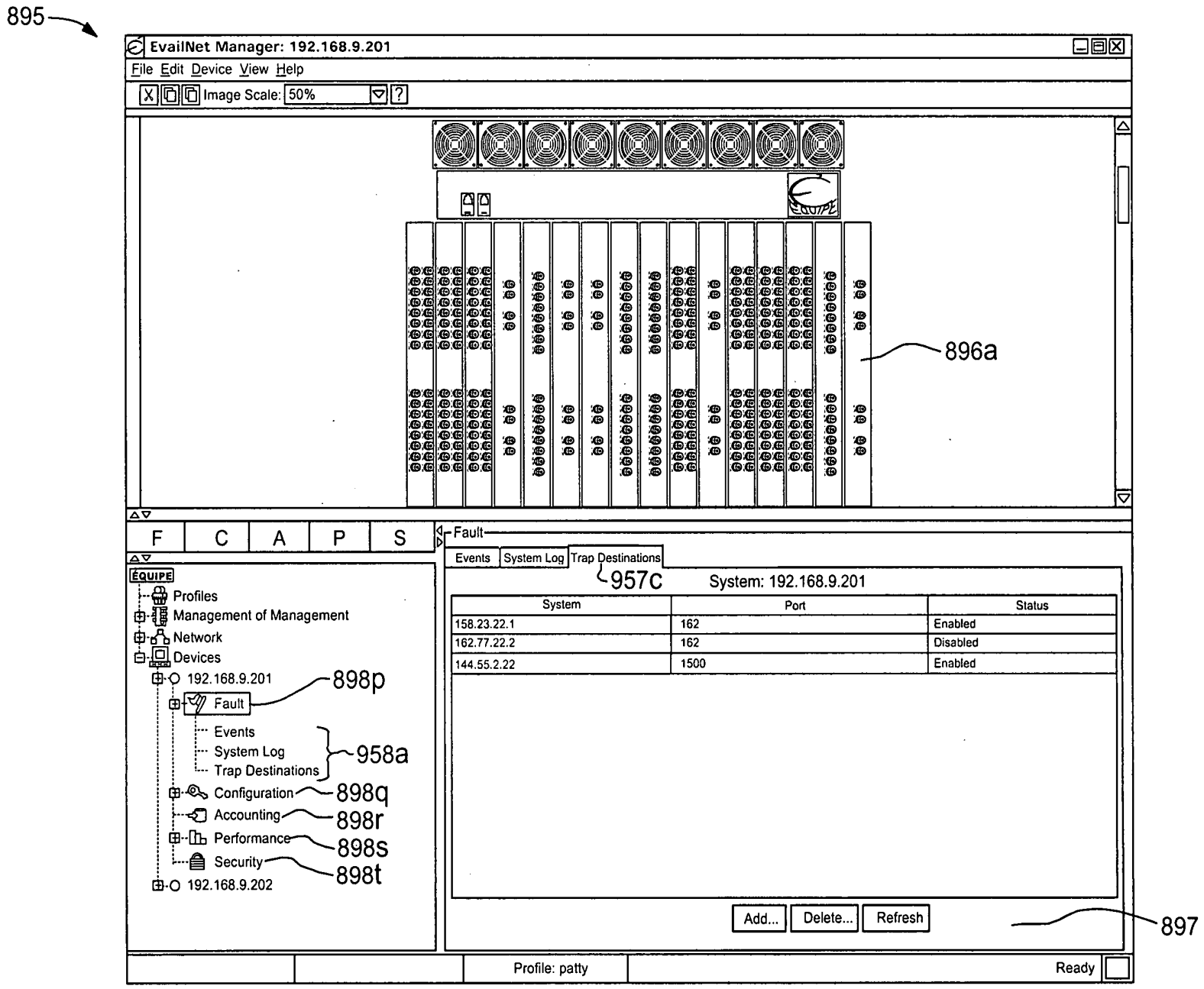

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
Fault
Events
System Log
Trap Destinations
957c
System: 192.168.9.201
System
Port
Status
158.23.22.1
162
Enabled
162.77.22.2
162
Disabled
144.55.2.22
1500
Enabled
Add...
Delete...
Refresh
897
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
898p
Events
System Log
Trap Destinations
958a
Configuration
898q
Accounting
898r
Performance
898s
Security
898t
192.168.9.202
Profile: patty
Ready

FIG. 7G

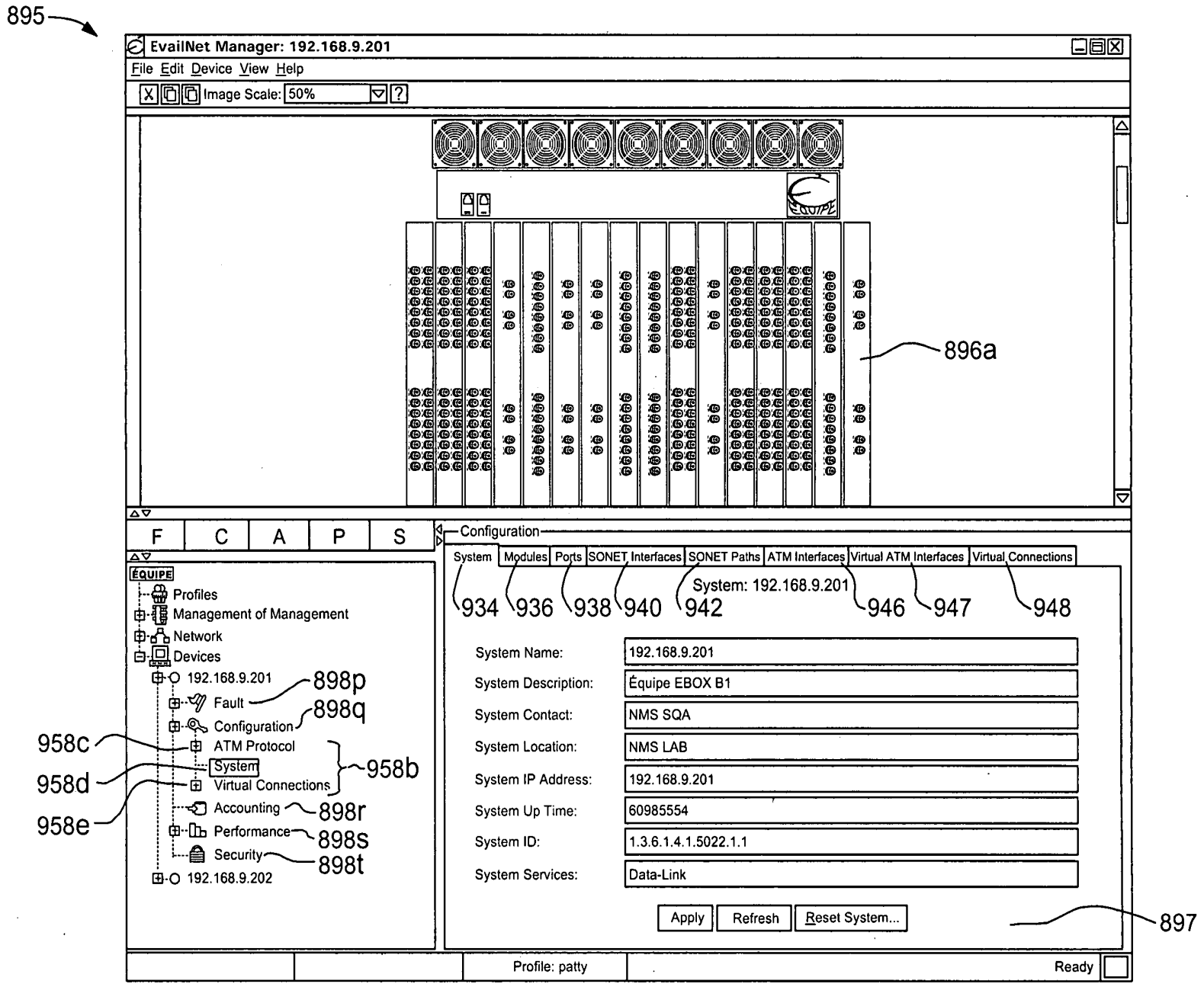

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
934 936 938 940 942 946 947 948
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
ATM Protocol
System
Virtual Connections
Accounting
Performance
Security
192.168.9.202
898p
898q
958c
958d
958e
958b
898r
898s
898t
System Name: 192.168.9.201
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 60985554
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
897
Profile: patty
Ready

FIG. 7H

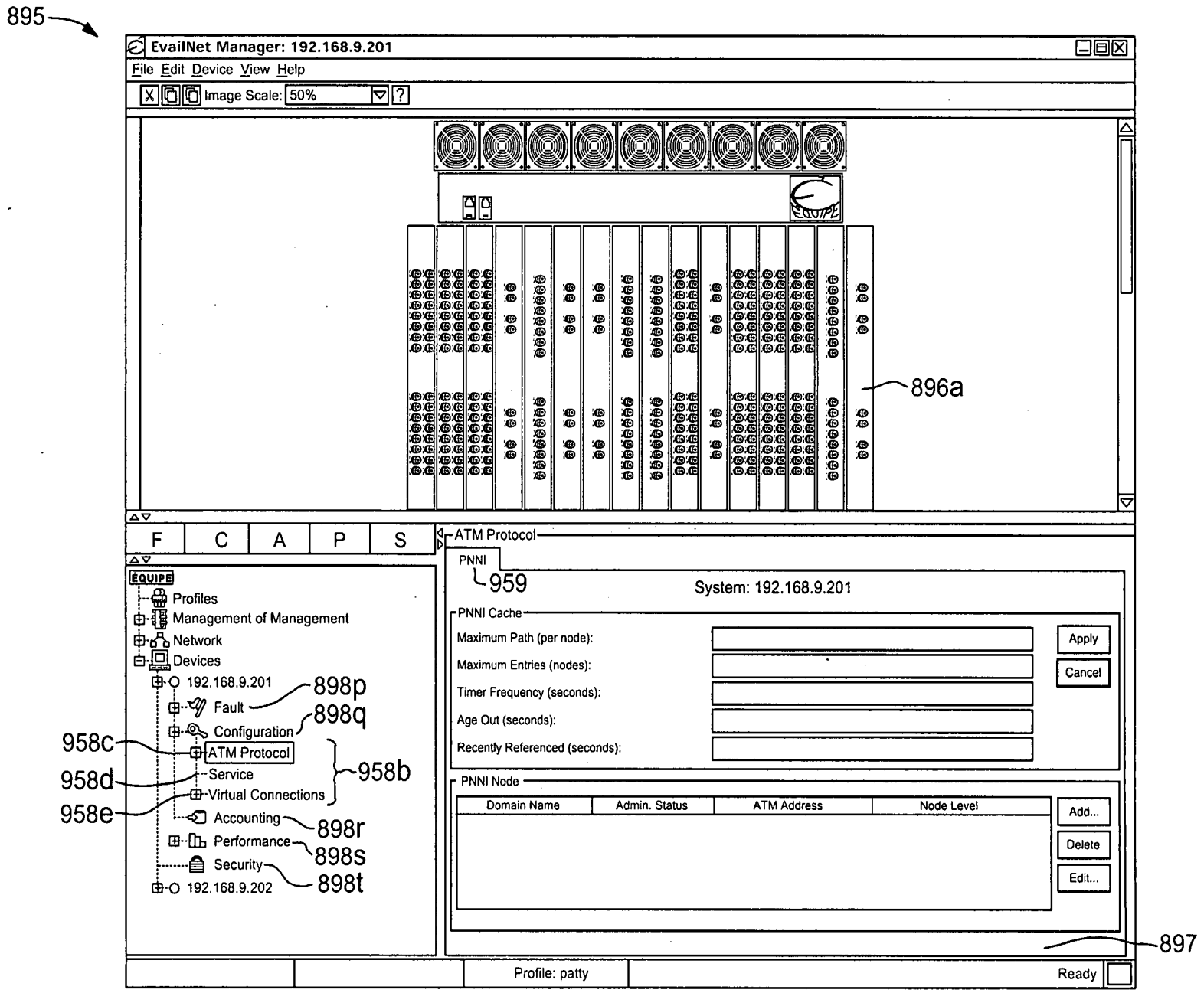

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
ATM Protocol
Service
Virtual Connections
Accounting
Performance
Security
192.168.9.202
898p
898q
958c
958d
958e
958b
898r
898s
898t
ATM Protocol
PNNI
959
System: 192.168.9.201
PNNI Cache
Maximum Path (per node):
Maximum Entries (nodes):
Timer Frequency (seconds):
Age Out (seconds):
Recently Referenced (seconds):
Apply
Cancel
PNNI Node
Domain Name
Admin. Status
ATM Address
Node Level
Add...
Delete
Edit...
897
Profile: patty
Ready

FIG. 7I

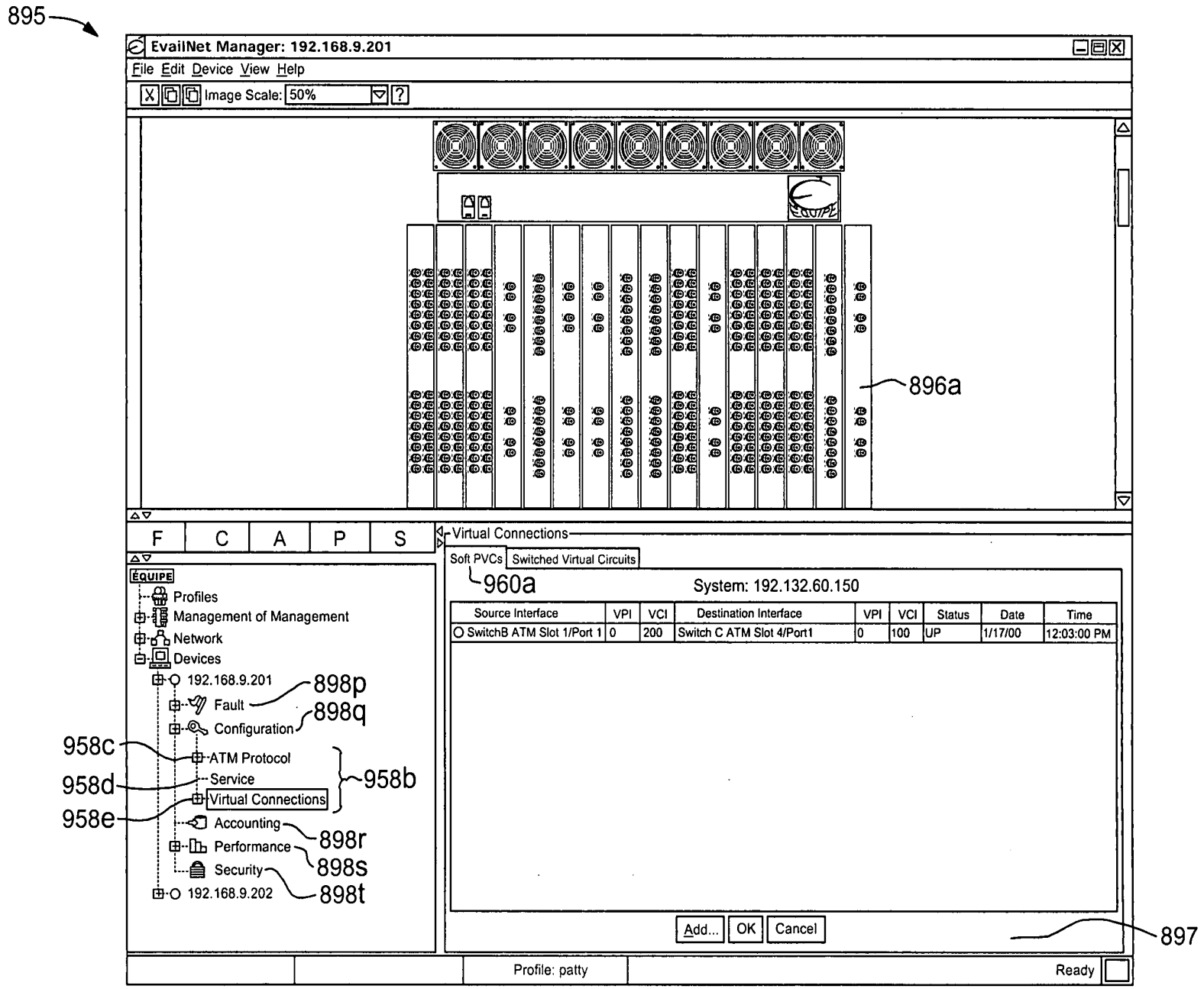

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
Virtual Connections
Soft PVCs
Switched Virtual Circuits
960a
System: 192.132.60.150
Source Interface
VPI
VCI
Destination Interface
VPI
VCI
Status
Date
Time
SwitchB ATM Slot 1/Port 1
0
200
Switch C ATM Slot 4/Port1
0
100
UP
1/17/00
12:03:00 PM
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
898p
Fault
898q
Configuration
958c
ATM Protocol
958d
Service
958e
Virtual Connections
958b
Accounting
898r
Performance
898s
Security
898t
192.168.9.202
Add...
OK
Cancel
897
Profile: patty
Ready

FIG. 7J

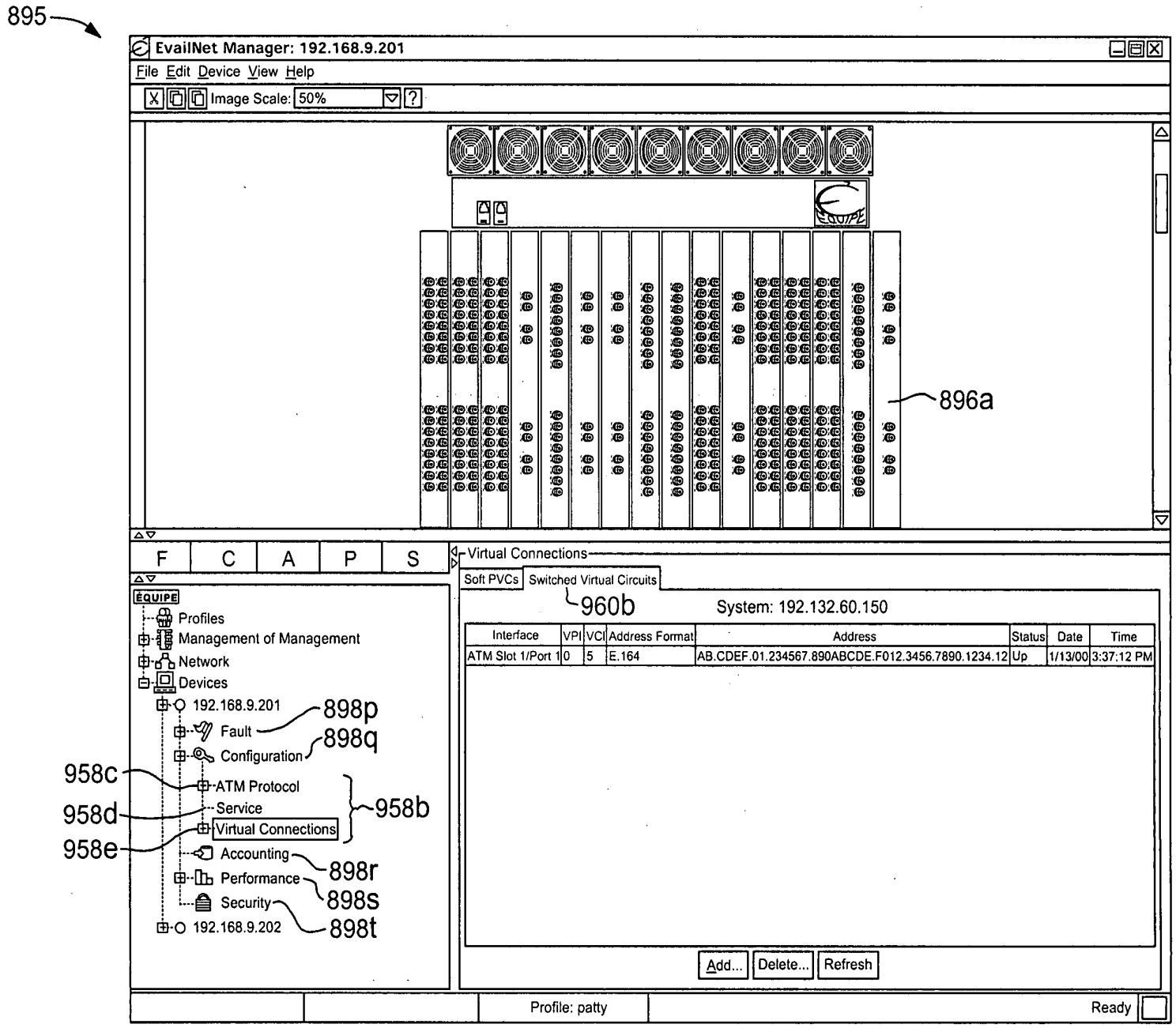

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
Virtual Connections
Soft PVCs
Switched Virtual Circuits
960b
System: 192.132.60.150
Interface VPI VCI Address Format Address Status Date Time
ATM Slot 1/Port 1 0 5 E.164 AB.CDEF.01.234567.890ABCDE.F012.3456.7890.1234.12 Up 1/13/00 3:37:12 PM
Add... Delete... Refresh
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
ATM Protocol
Service
Virtual Connections
Accounting
Performance
Security
192.168.9.202
898p
898q
958c
958d
958e
958b
898r
898s
898t
Profile: patty
Ready

FIG. 7K

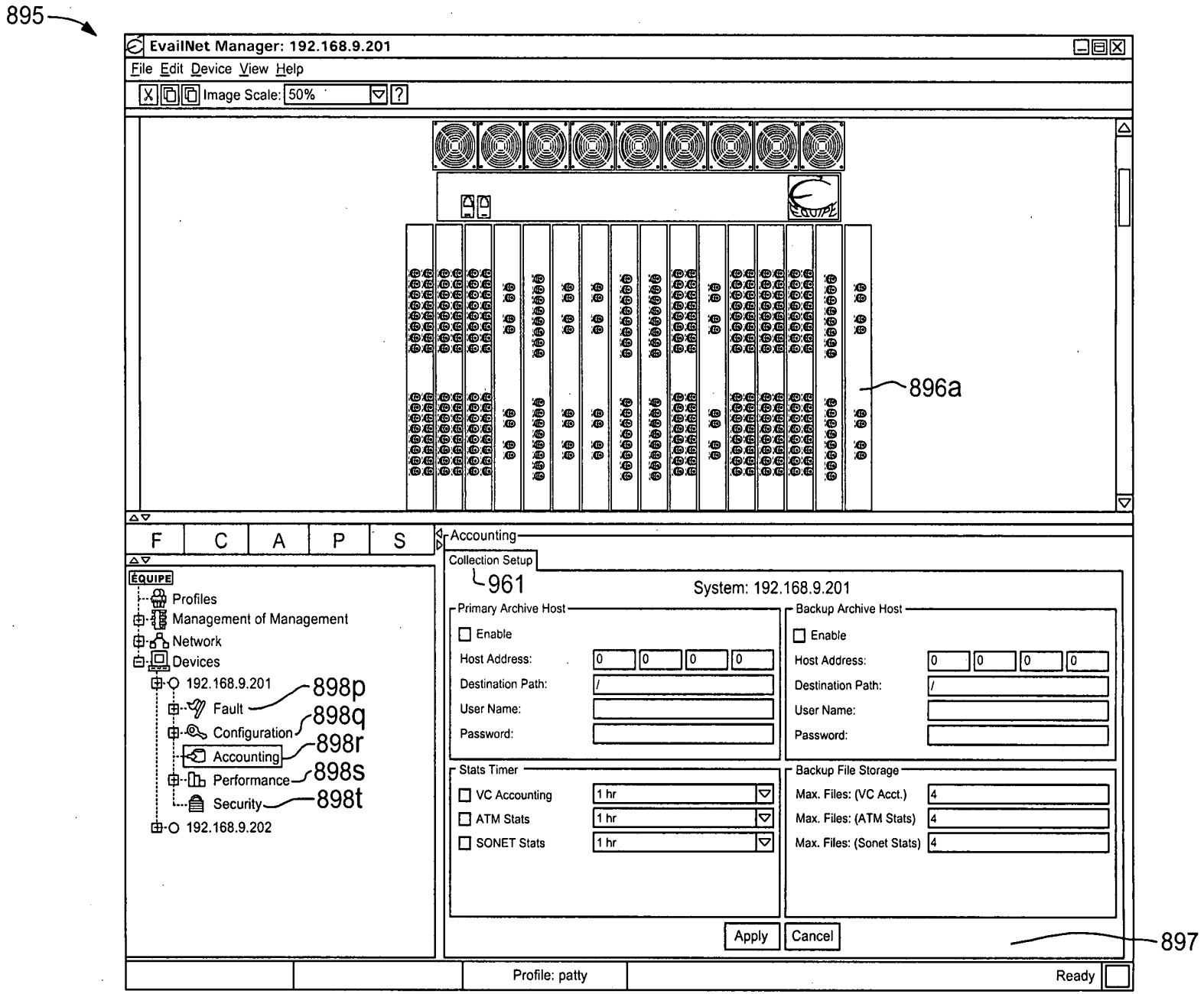

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
192.168.9.202
898p
898q
898r
898s
898t
Accounting
Collection Setup
961
System: 192.168.9.201
Primary Archive Host
Enable
Host Address:
Destination Path:
User Name:
Password:
Backup Archive Host
Enable
Host Address:
Destination Path:
User Name:
Password:
Stats Timer
VC Accounting
ATM Stats
SONET Stats
1 hr
Backup File Storage
Max. Files: (VC Acct.)
Max. Files: (ATM Stats)
Max. Files: (Sonet Stats)
Apply
Cancel
897
Profile: patty
Ready

FIG. 7L

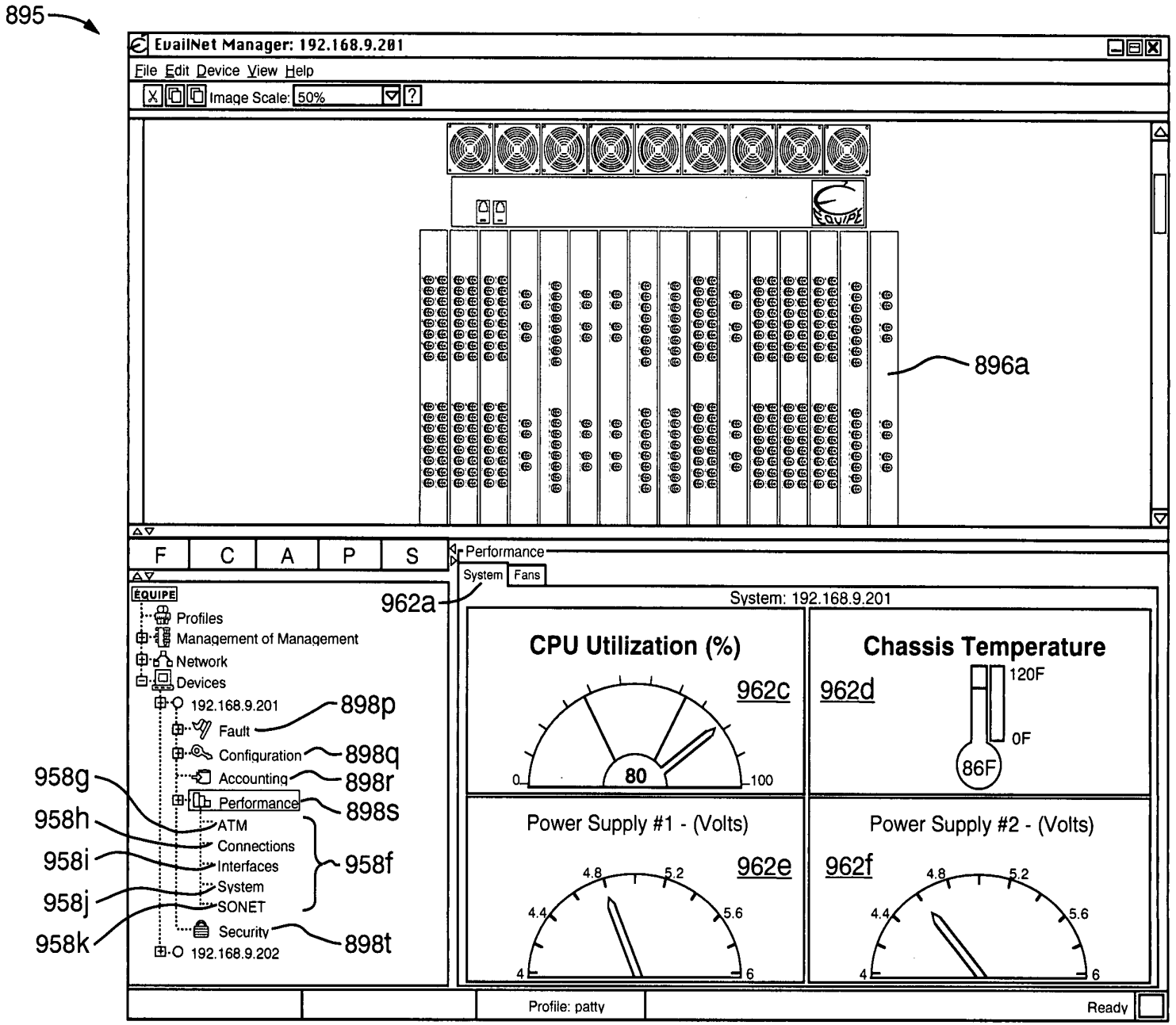

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
962a
Profiles
Management of Management
Network
Devices
192.168.9.201
898p
Fault
898q
Configuration
Accounting
898r
Performance
898s
ATM
Connections
Interfaces
System
SONET
958f
Security
898t
192.168.9.202
958g
958h
958i
958j
958k
Performance
System
Fans
System: 192.168.9.201
CPU Utilization (%)
962c
0
80
100
Chassis Temperature
962d
120F
0F
86F
Power Supply #1 - (Volts)
962e
4.8
5.2
4.4
5.6
4
6
Power Supply #2 - (Volts)
962f
Profile: patty
Ready

FIG. 7M

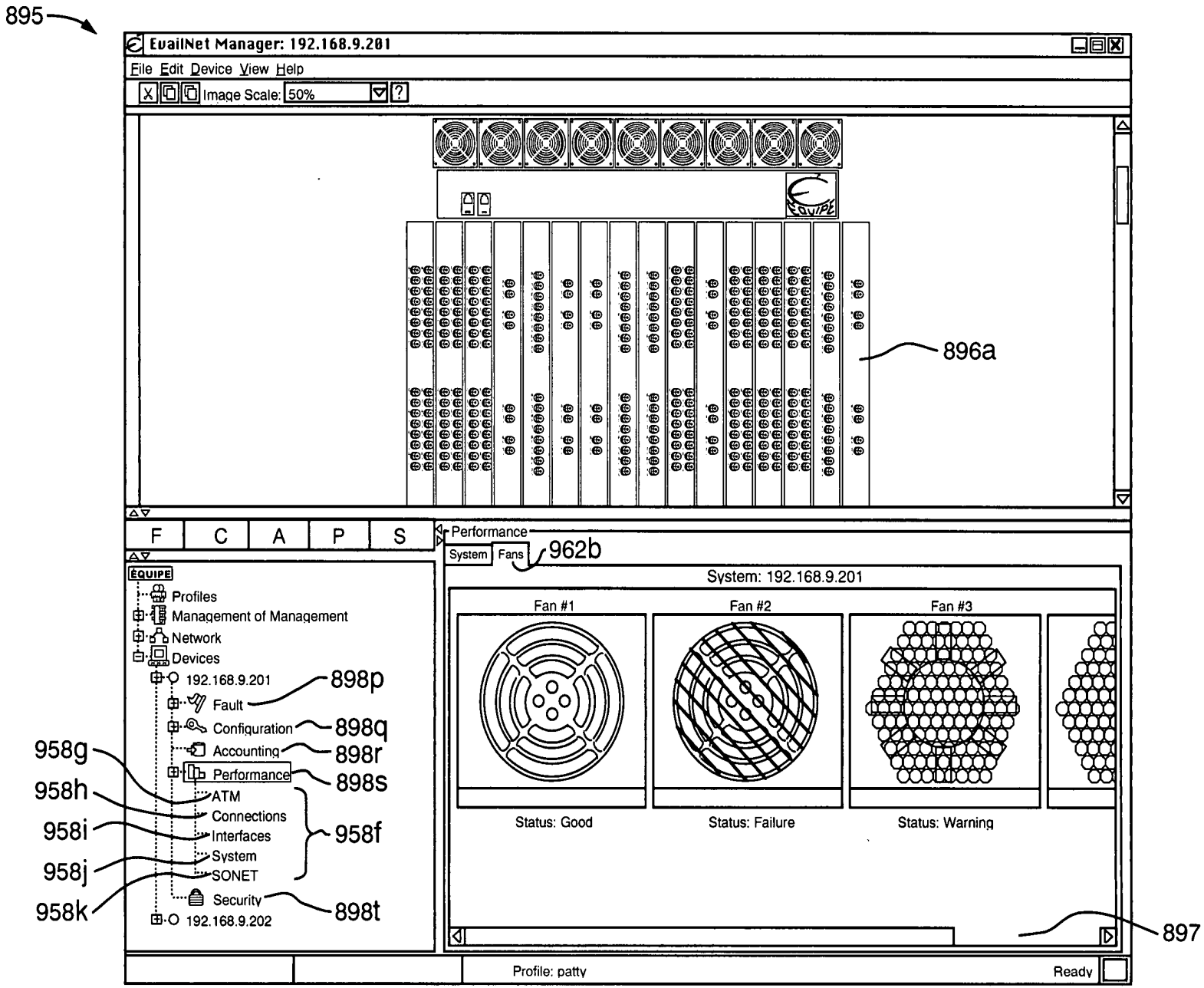

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
Performance
System
Fans
962b
System: 192.168.9.201
Fan #1
Fan #2
Fan #3
Status: Good
Status: Failure
Status: Warning
897
Profile: patty
Ready

FIG. 7N

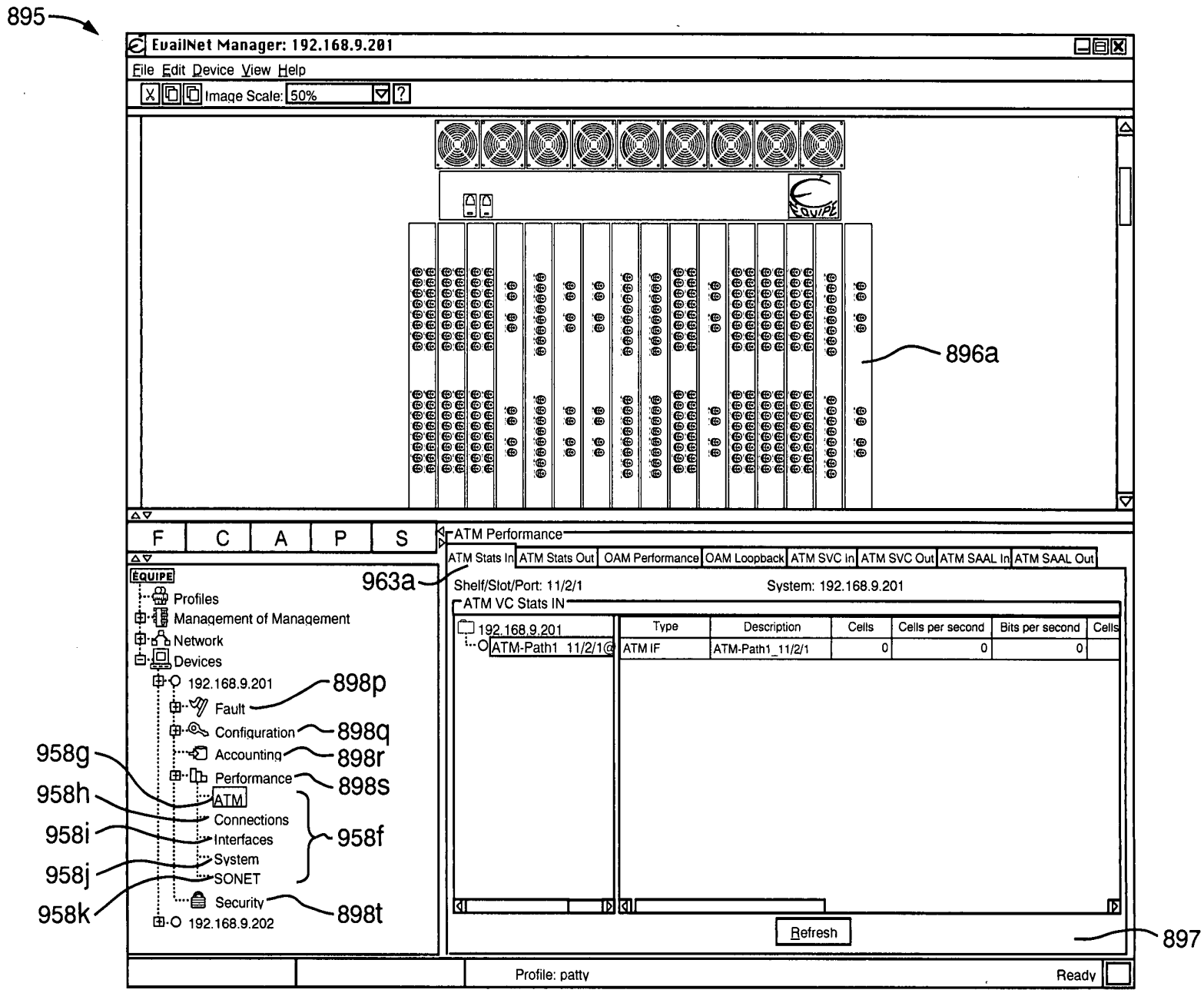

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
963a
Profiles
Management of Management
Network
Devices
192.168.9.201
898p
Fault
Configuration
898q
Accounting
898r
Performance
898s
ATM
Connections
Interfaces
System
SONET
958f
Security
898t
192.168.9.202
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
897
Profile: patty
Ready

FIG. 7O

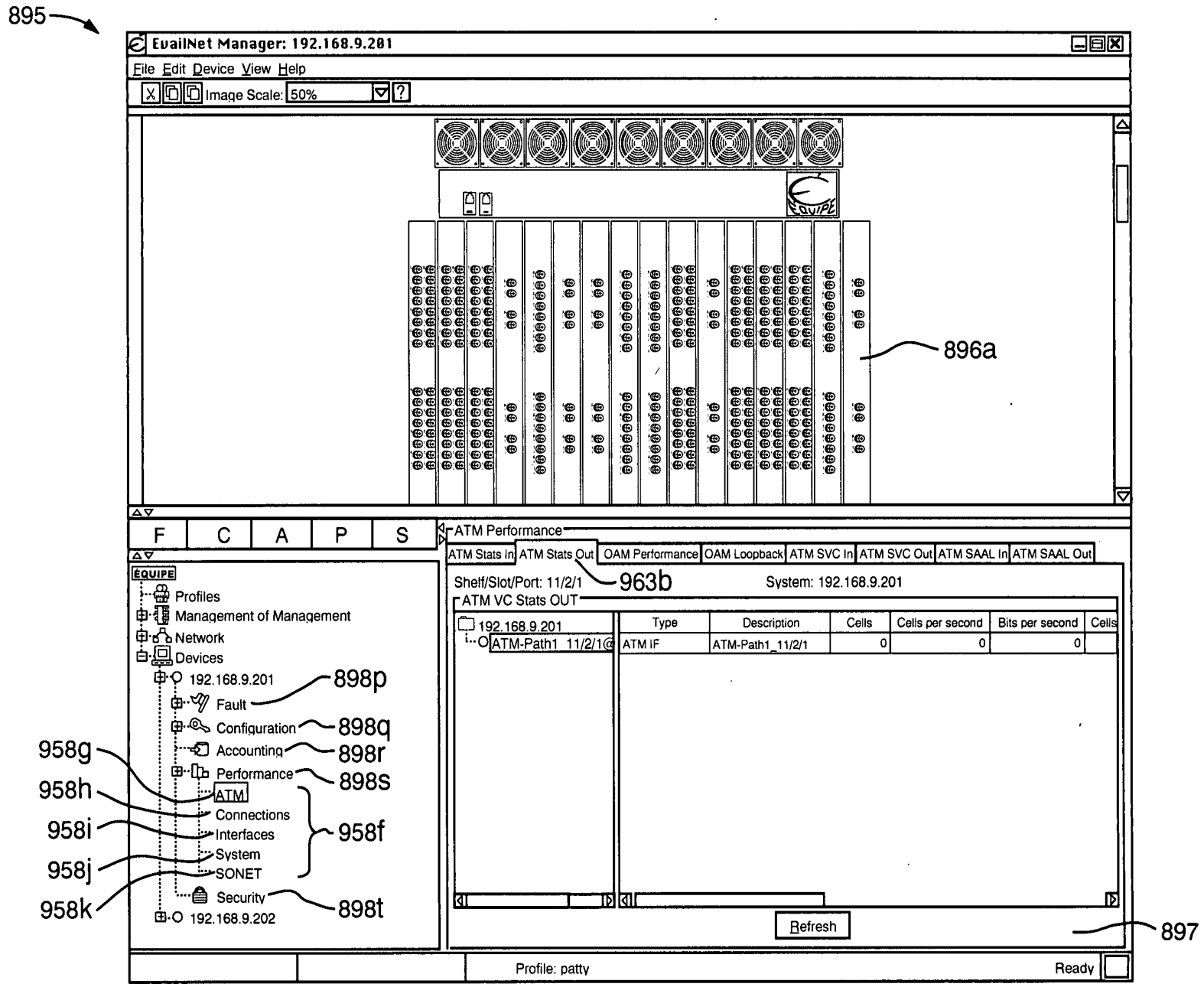

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
963b
System: 192.168.9.201
ATM VC Stats OUT
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
897
Profile: patty
Ready

FIG. 7P

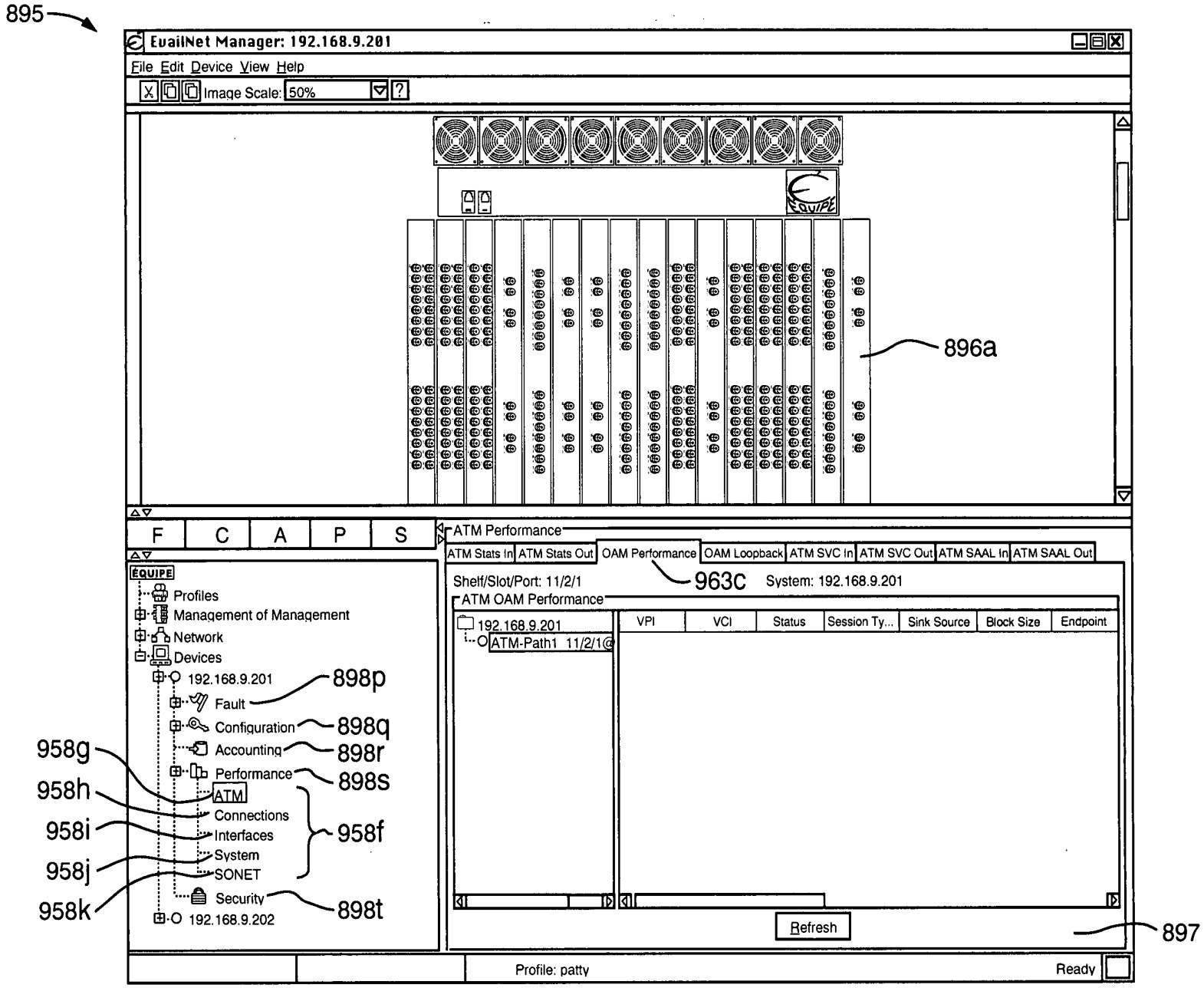

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
963c
System: 192.168.9.201
ATM OAM Performance
192.168.9.201
ATM-Path1 11/2/1@
VPI
VCI
Status
Session Ty...
Sink Source
Block Size
Endpoint
Refresh
897
Profile: patty
Ready

FIG. 7Q

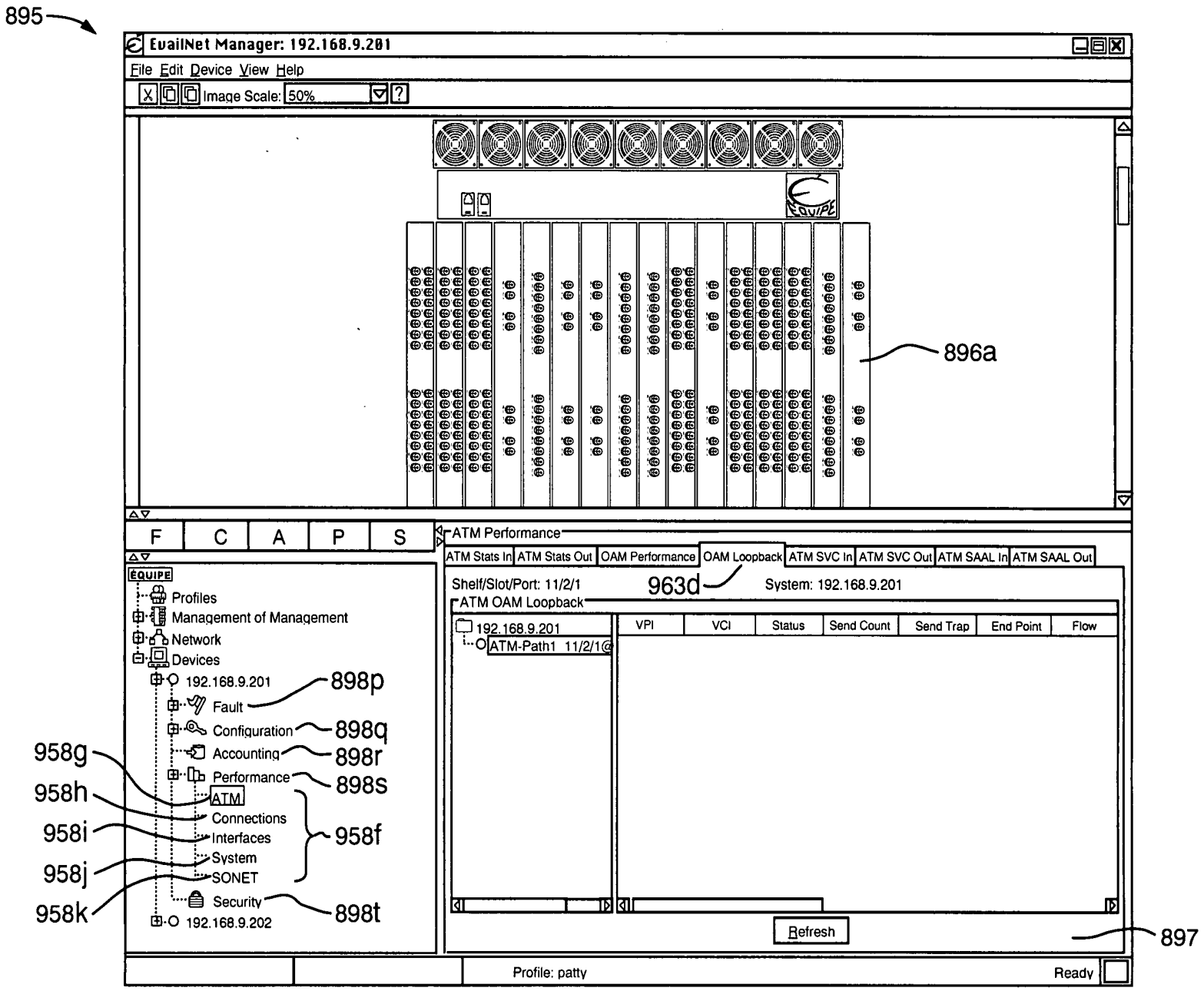

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
963d
System: 192.168.9.201
ATM OAM Loopback
192.168.9.201
ATM-Path1 11/2/1@
VPI
VCI
Status
Send Count
Send Trap
End Point
Flow
Refresh
897
Profile: patty
Ready

FIG. 7R

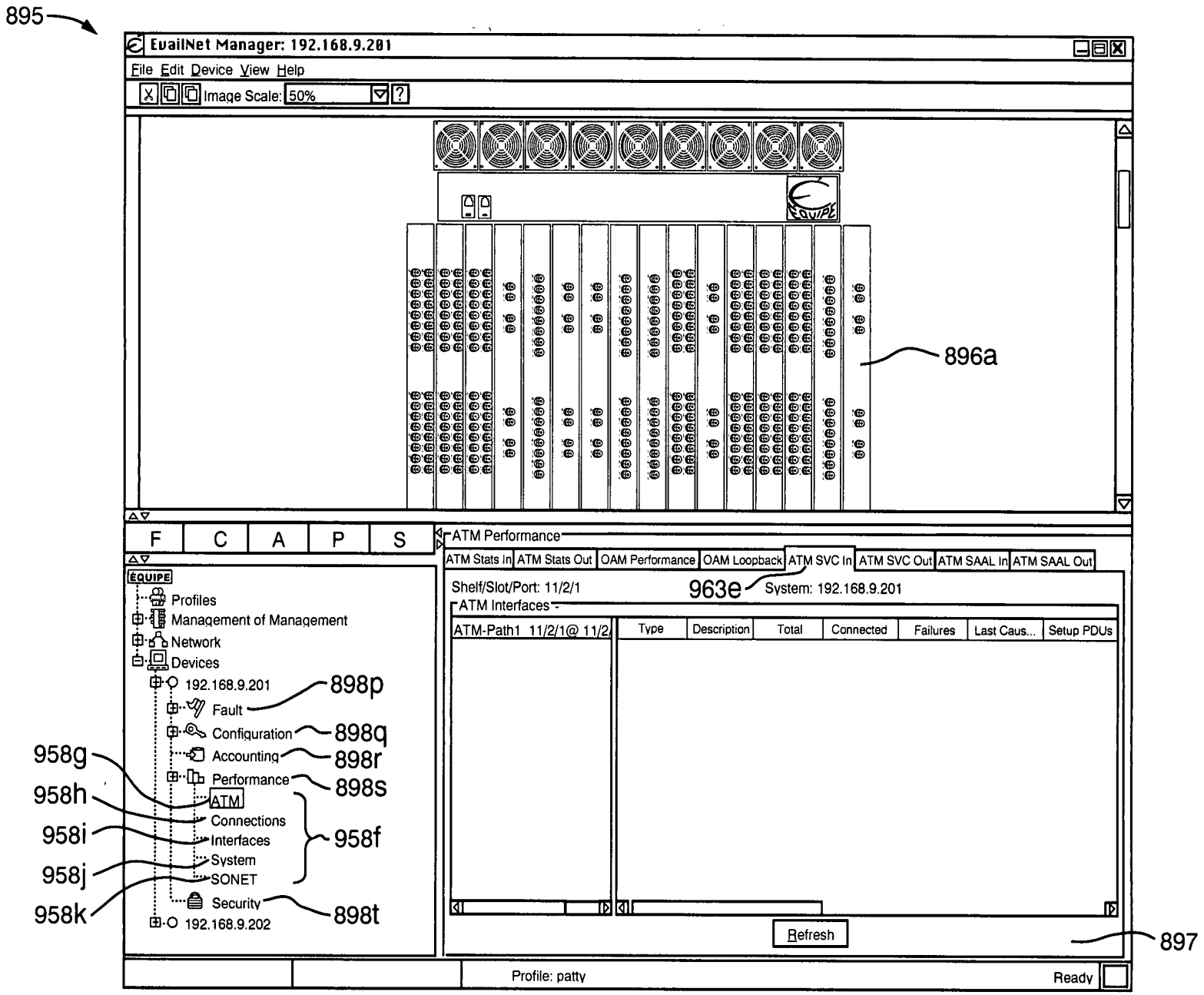

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
963e
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM Interfaces
ATM-Path1 11/2/1@ 11/2/
Type
Description
Total
Connected
Failures
Last Caus...
Setup PDUs
Refresh
897
Profile: patty
Ready

FIG. 7S

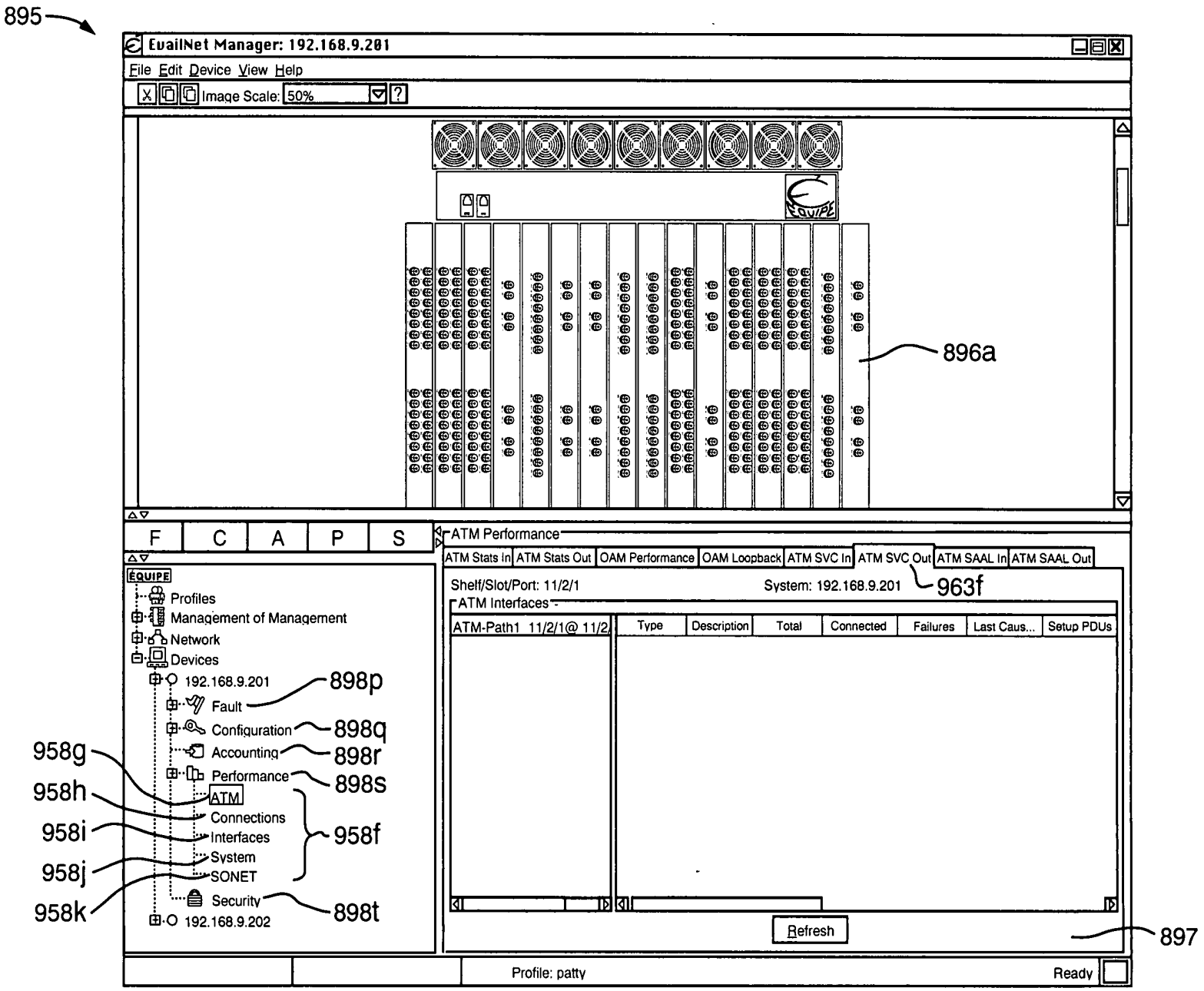

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
963f
ATM Interfaces
ATM-Path1 11/2/1@ 11/2
Type
Description
Total
Connected
Failures
Last Caus...
Setup PDUs
Refresh
897
Profile: patty
Ready

FIG. 7T

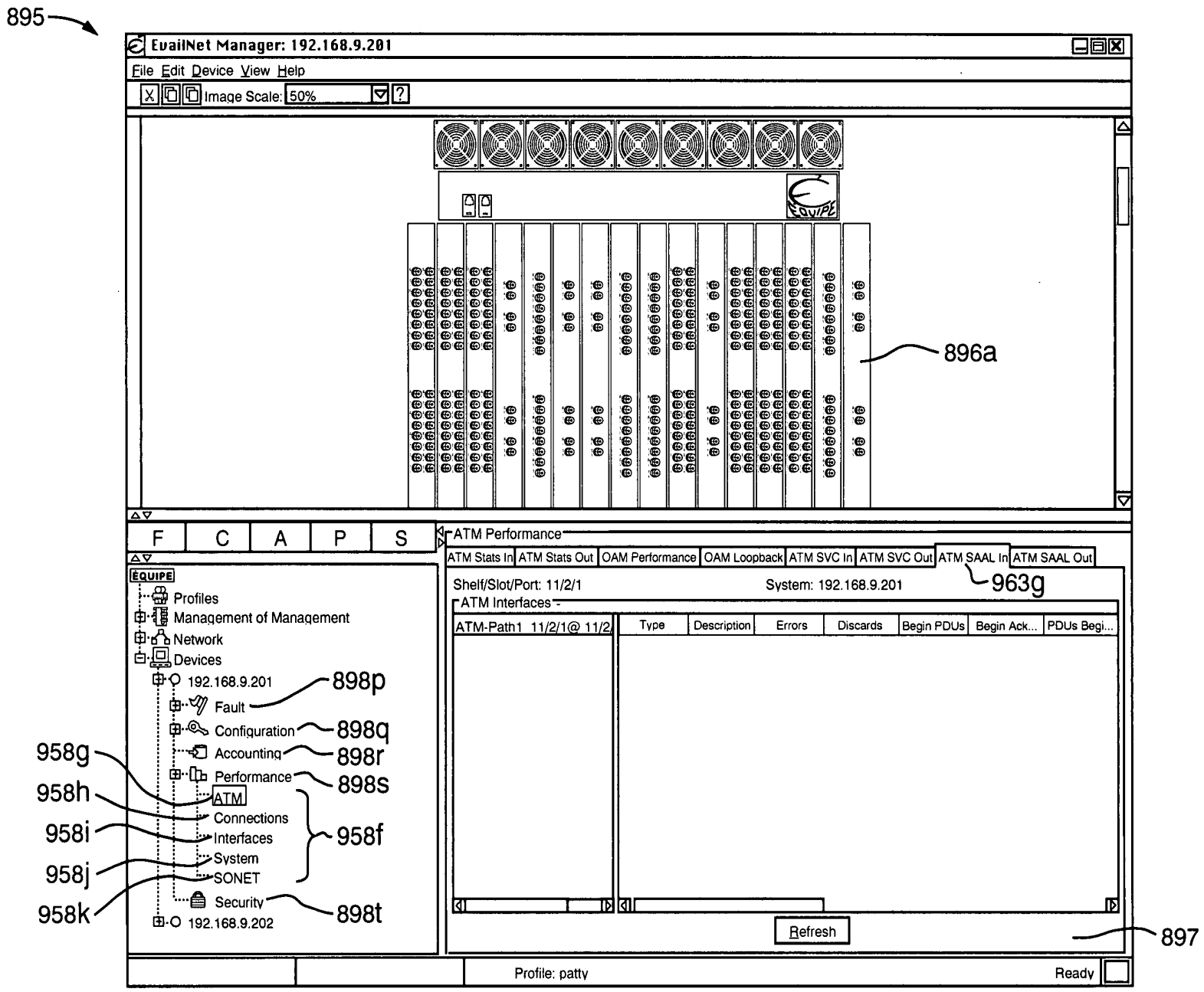

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
963g
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM Interfaces
ATM-Path1 11/2/1@ 11/2
Type
Description
Errors
Discards
Begin PDUs
Begin Ack...
PDUs Begi...
Refresh
897
Profile: patty
Ready

FIG. 7U

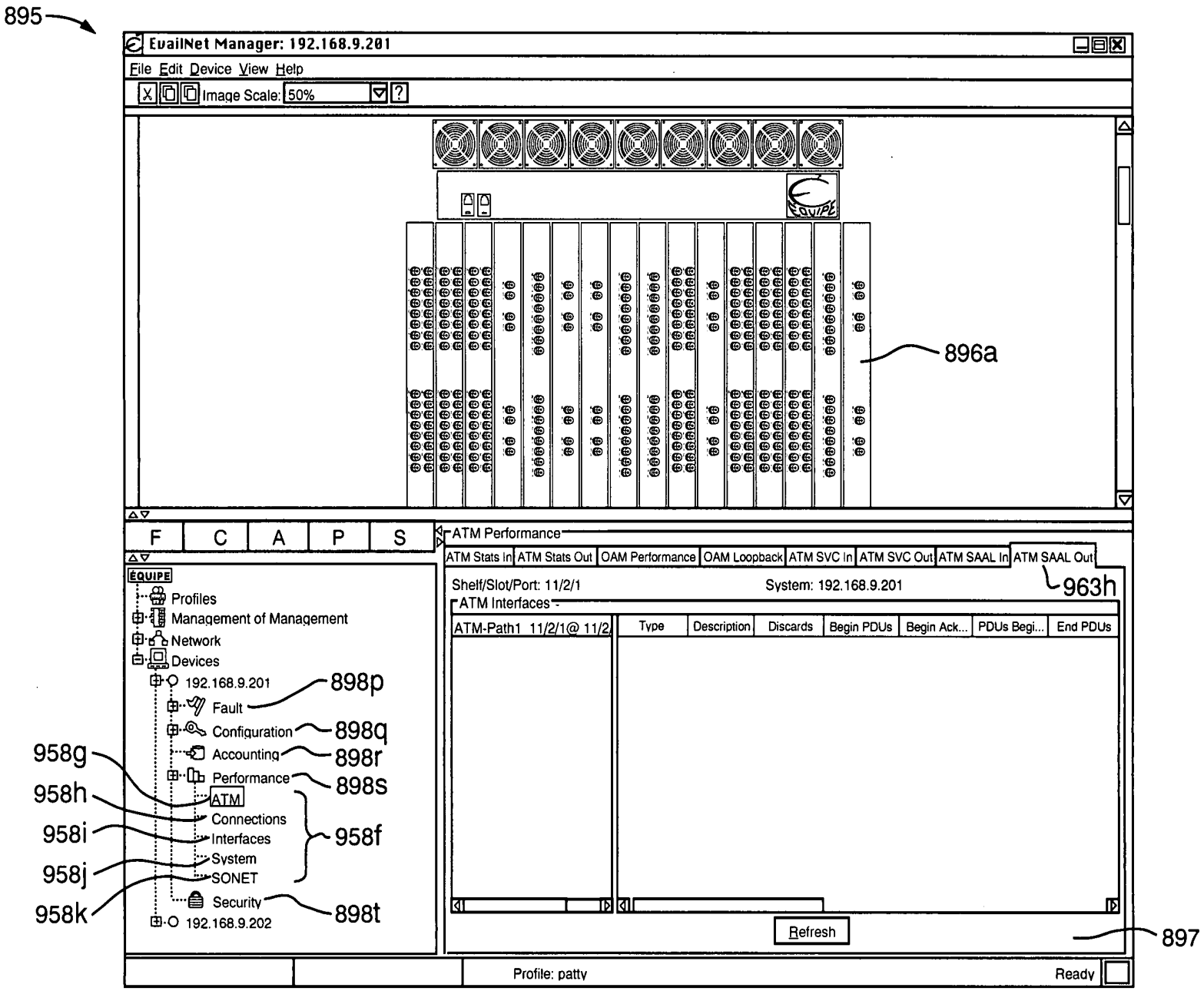

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ATM Performance
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
963h
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM Interfaces
ATM-Path1 11/2/1@ 11/2
Type
Description
Discards
Begin PDUs
Begin Ack...
PDUs Begi...
End PDUs
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
Refresh
897
Profile: patty
Ready

FIG. 7V

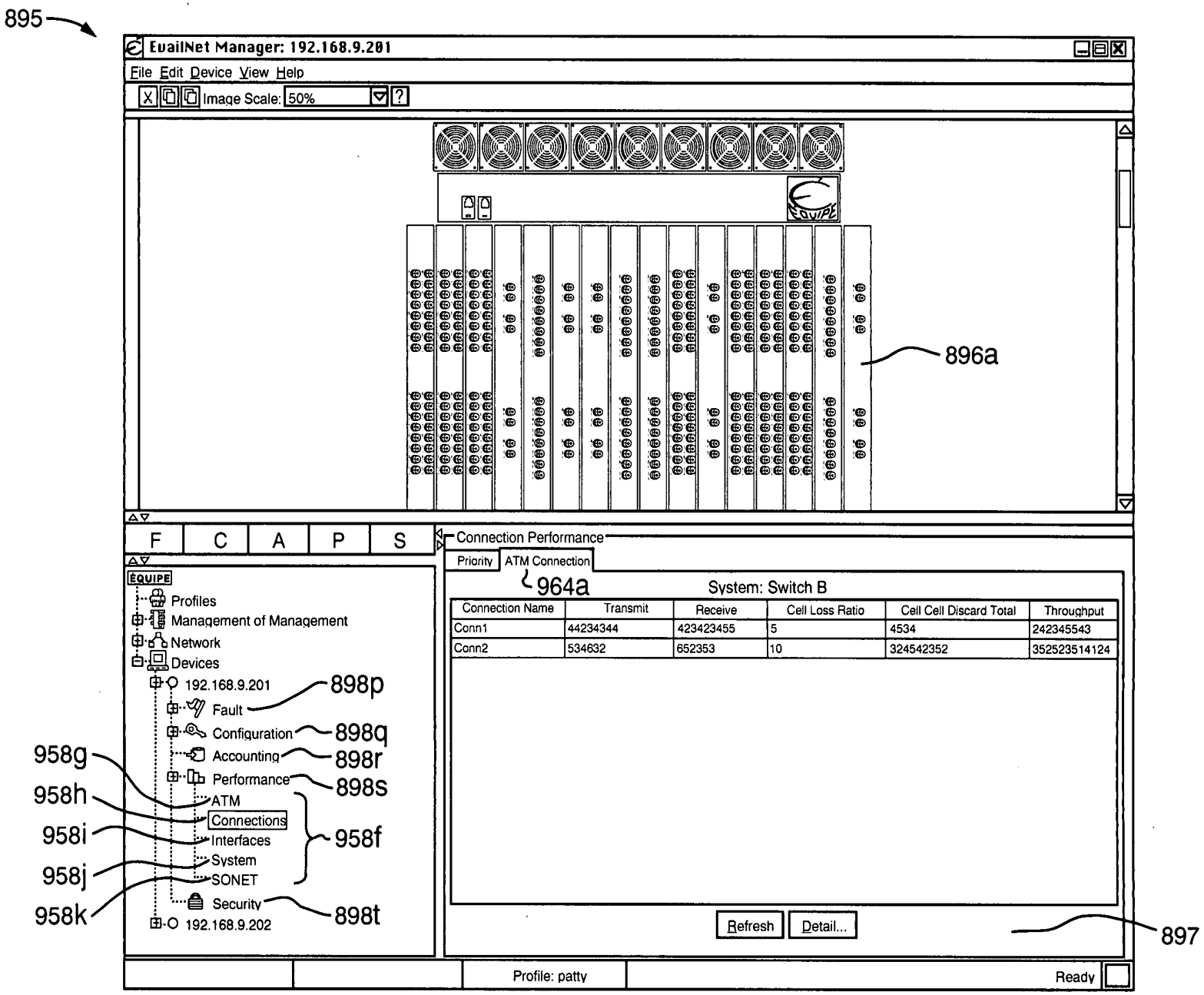

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
Connection Performance
Priority
ATM Connection
964a
System: Switch B
Connection Name | Transmit | Receive | Cell Loss Ratio | Cell Cell Discard Total | Throughput
Conn1 | 44234344 | 423423455 | 5 | 4534 | 242345543
Conn2 | 534632 | 652353 | 10 | 324542352 | 352523514124
Refresh
Detail...
897
Profile: patty
Ready

FIG. 7W

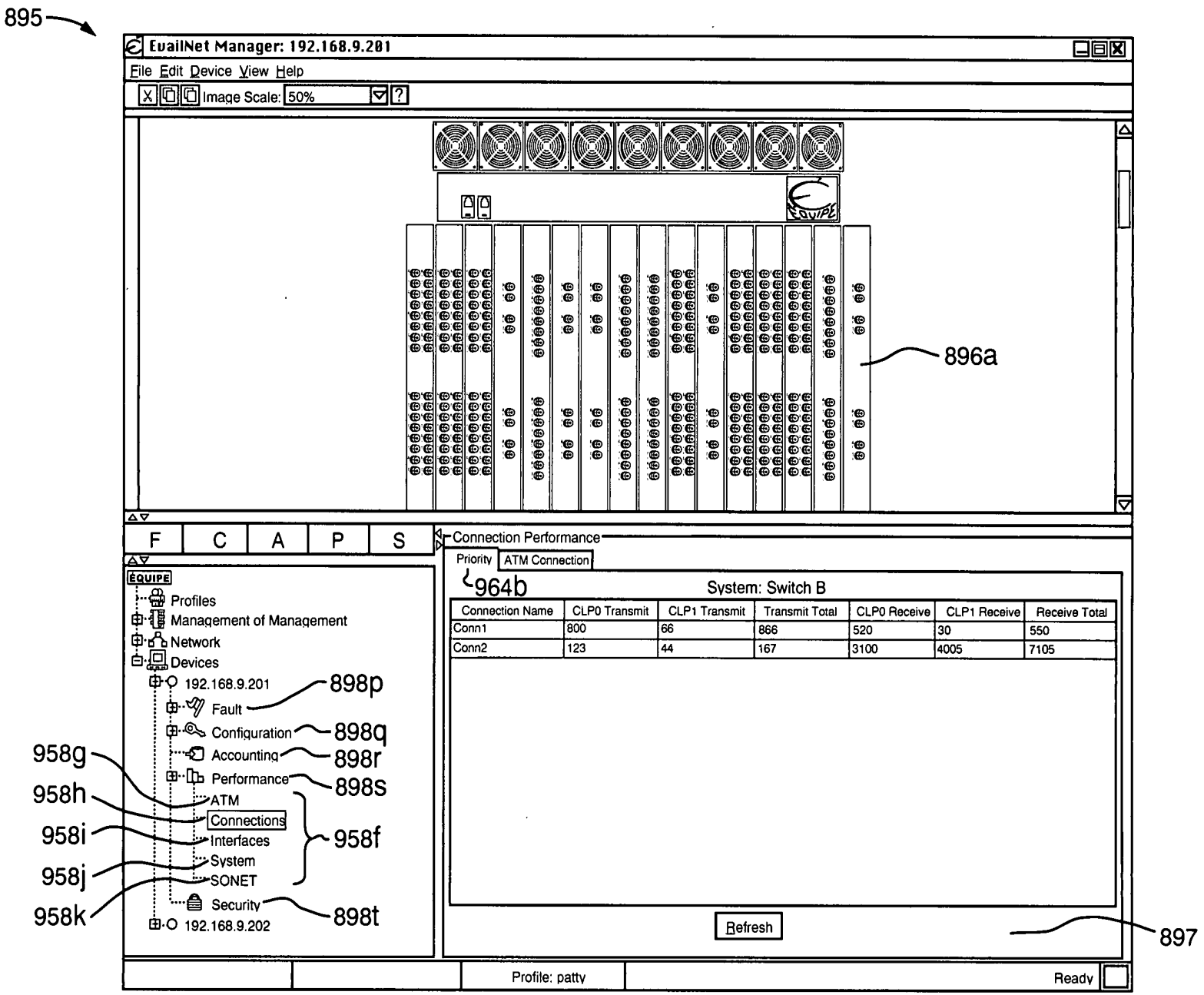

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
Connection Performance
Priority
ATM Connection
964b
System: Switch B
Connection Name | CLP0 Transmit | CLP1 Transmit | Transmit Total | CLP0 Receive | CLP1 Receive | Receive Total
Conn1 | 800 | 66 | 866 | 520 | 30 | 550
Conn2 | 123 | 44 | 167 | 3100 | 4005 | 7105
Refresh
897
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
Profile: patty
Ready

FIG. 7X

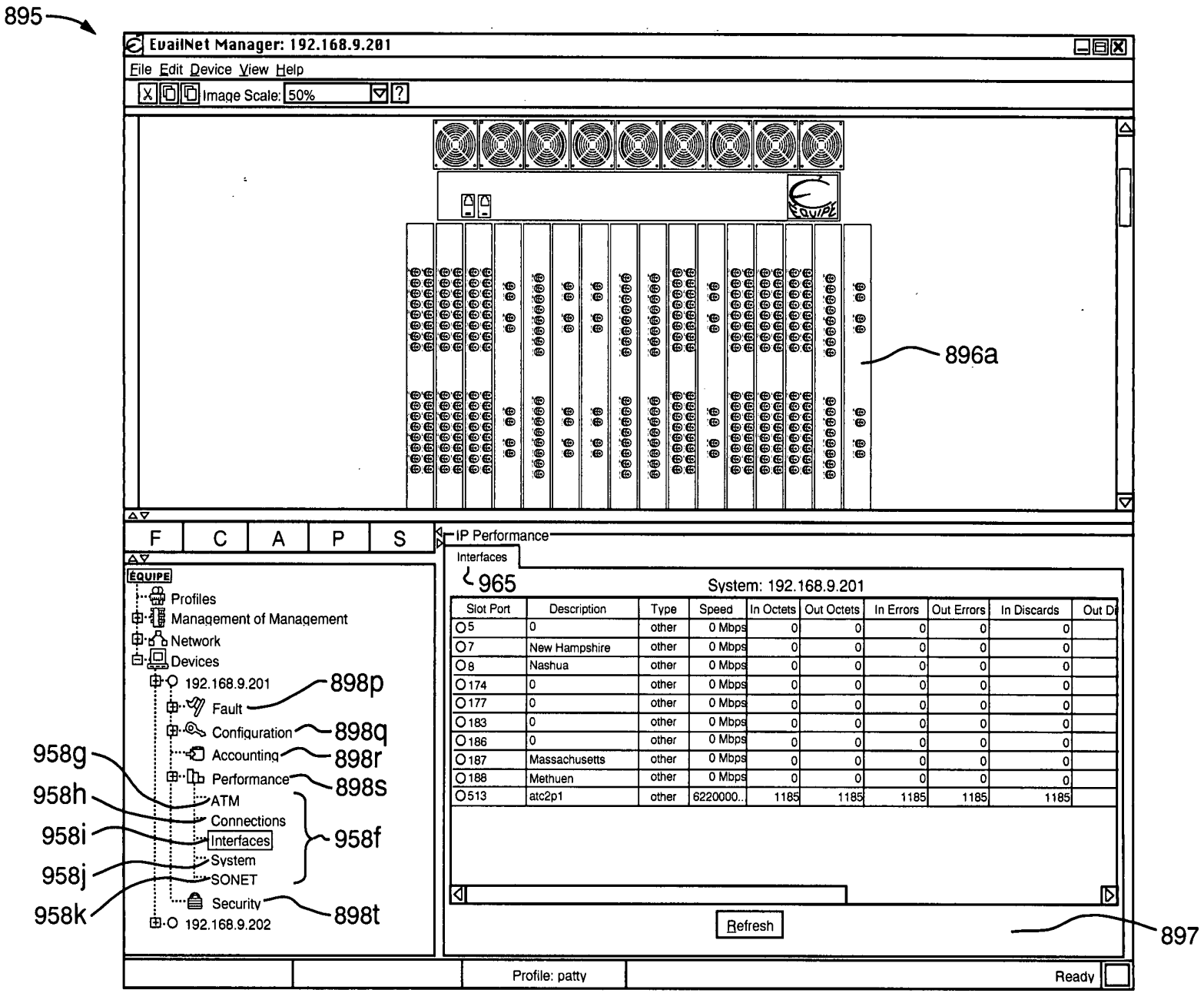

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
IP Performance
Interfaces
965
System: 192.168.9.201
Slot Port | Description | Type | Speed | In Octets | Out Octets | In Errors | Out Errors | In Discards | Out Di
5 | 0 | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
7 | New Hampshire | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
8 | Nashua | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
174 | 0 | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
177 | 0 | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
183 | 0 | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
186 | 0 | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
187 | Massachusetts | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
188 | Methuen | other | 0 Mbps | 0 | 0 | 0 | 0 | 0
513 | atc2p1 | other | 6220000.. | 1185 | 1185 | 1185 | 1185 | 1185
Refresh
897
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
Profile: patty
Ready

FIG. 7Y

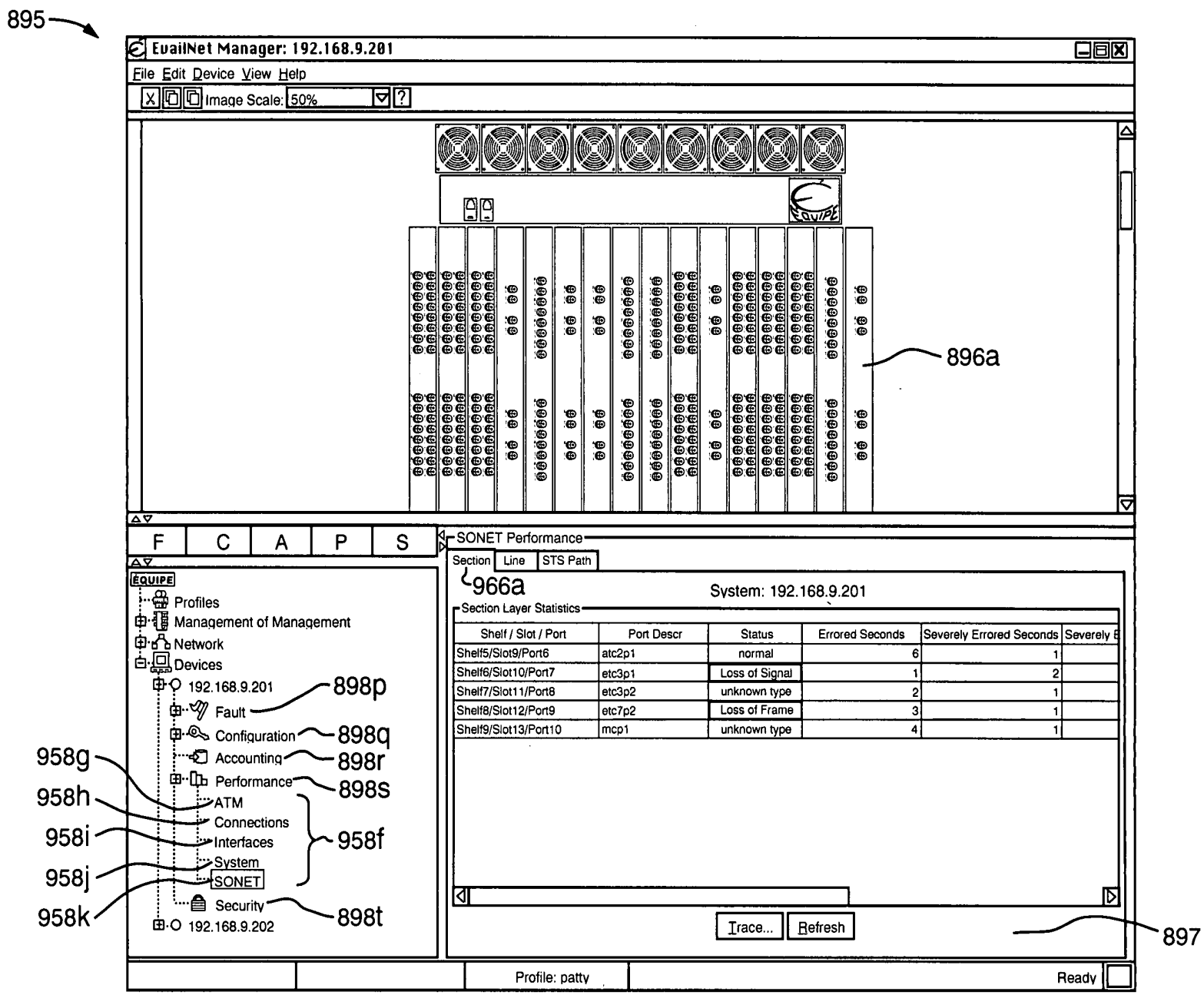

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
SONET Performance
Section
Line
STS Path
966a
System: 192.168.9.201
Section Layer Statistics
Shelf / Slot / Port
Port Descr
Status
Errored Seconds
Severely Errored Seconds
Shelf5/Slot9/Port6 atc2p1 normal 6 1
Shelf6/Slot10/Port7 etc3p1 Loss of Signal 1 2
Shelf7/Slot11/Port8 etc3p2 unknown type 2 1
Shelf8/Slot12/Port9 etc7p2 Loss of Frame 3 1
Shelf9/Slot13/Port10 mcp1 unknown type 4 1
Trace...
Refresh
897
Profile: patty
Ready

FIG. 8A

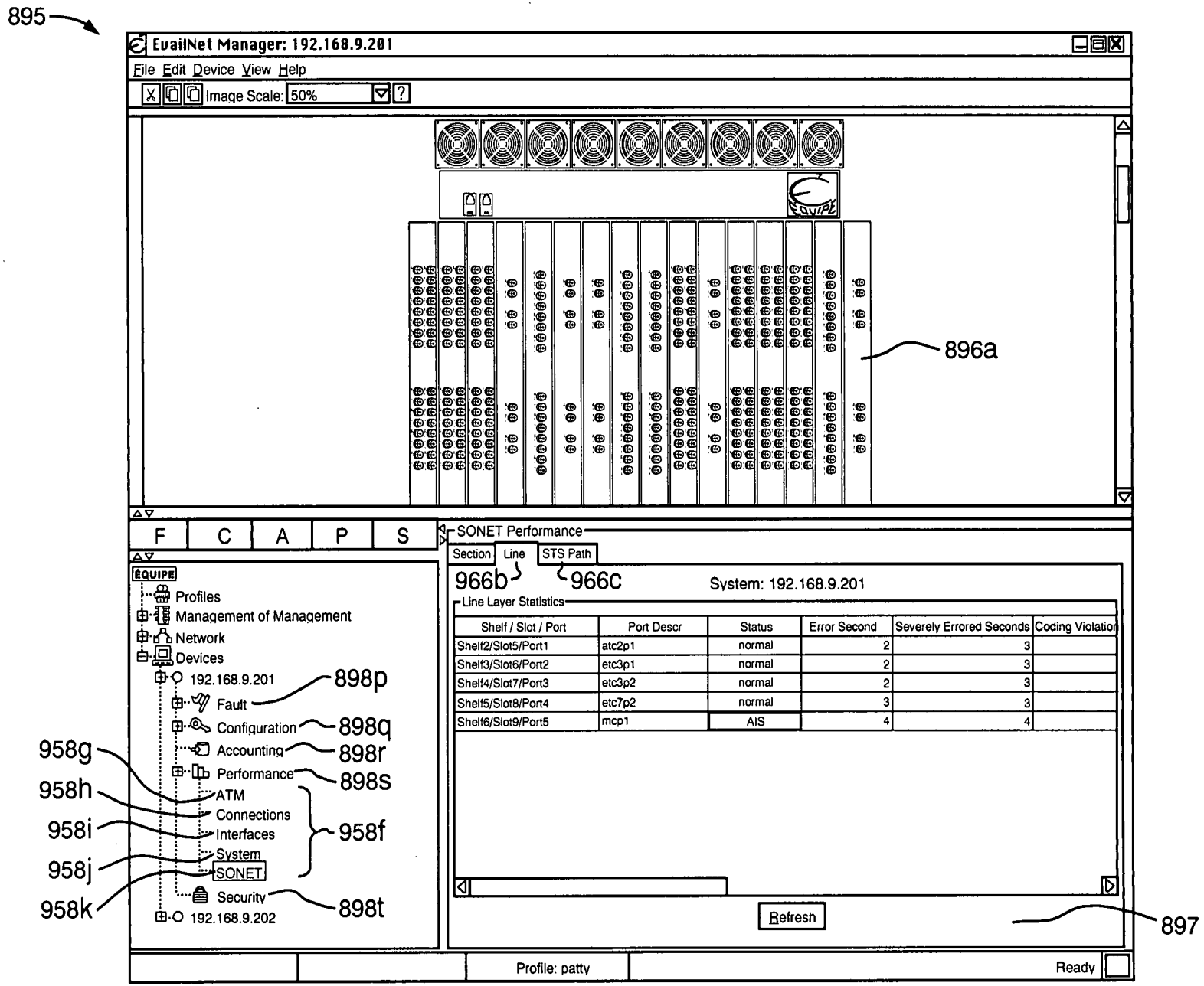

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
958g
958h
958i
958j
958k
898t
SONET Performance
Section
Line
STS Path
966b
966c
System: 192.168.9.201
Line Layer Statistics
Shelf / Slot / Port
Port Descr
Status
Error Second
Severely Errored Seconds
Coding Violation
Shelf2/Slot5/Port1 atc2p1 normal 2 3
Shelf3/Slot6/Port2 etc3p1 normal 2 3
Shelf4/Slot7/Port3 etc3p2 normal 2 3
Shelf5/Slot8/Port4 etc7p2 normal 3 3
Shelf6/Slot9/Port5 mcp1 AIS 4 4
Refresh
897
Profile: patty
Ready

FIG. 8B

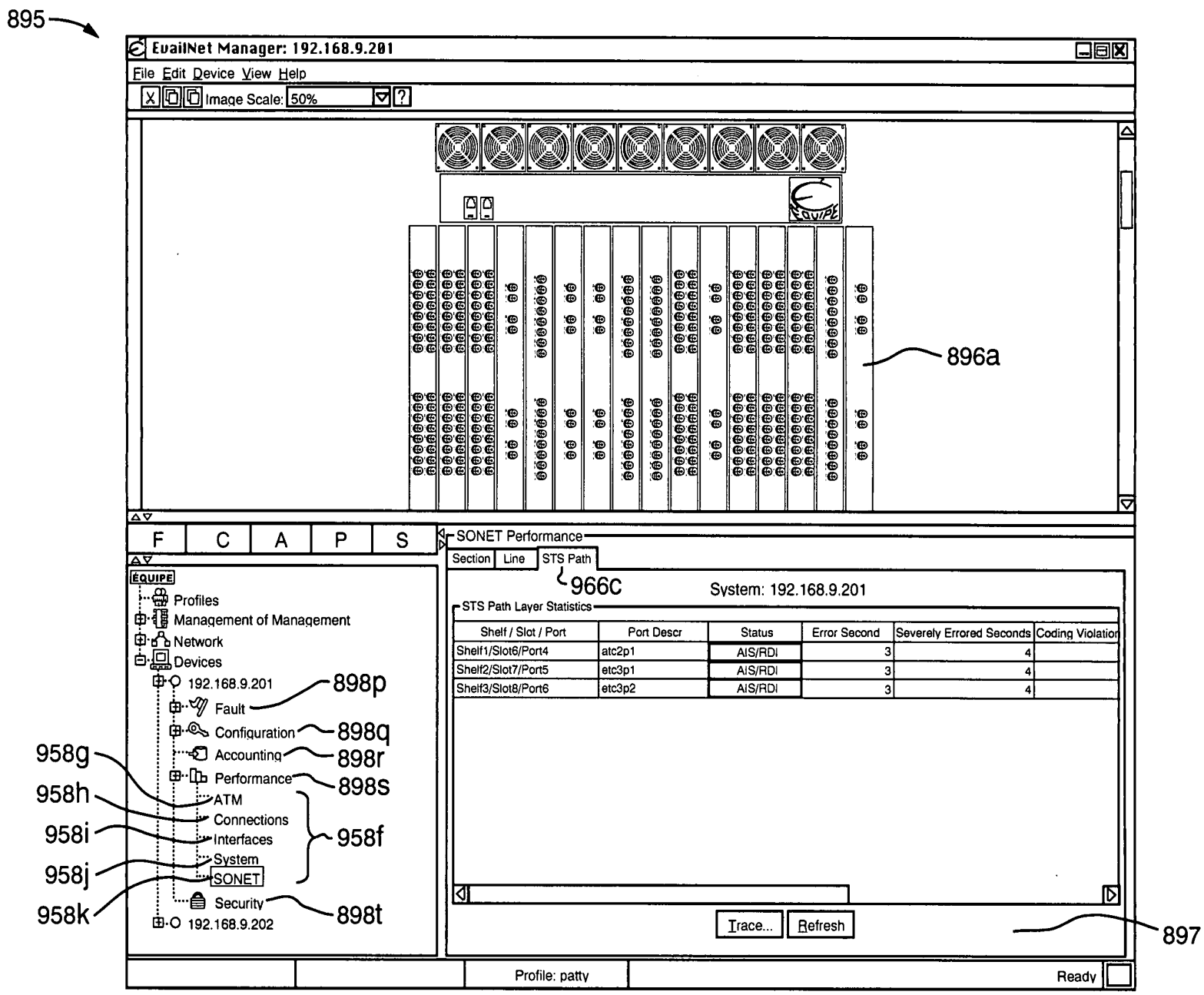

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
898p
898q
898r
898s
958f
898t
958g
958h
958i
958j
958k
SONET Performance
Section
Line
STS Path
966c
System: 192.168.9.201
STS Path Layer Statistics
Shelf / Slot / Port
Port Descr
Status
Error Second
Severely Errored Seconds
Coding Violation
Shelf1/Slot6/Port4
atc2p1
AIS/RDI
3
4
Shelf2/Slot7/Port5
etc3p1
AIS/RDI
3
4
Shelf3/Slot8/Port6
etc3p2
AIS/RDI
3
4
Trace...
Refresh
897
Profile: patty
Ready

FIG. 8C

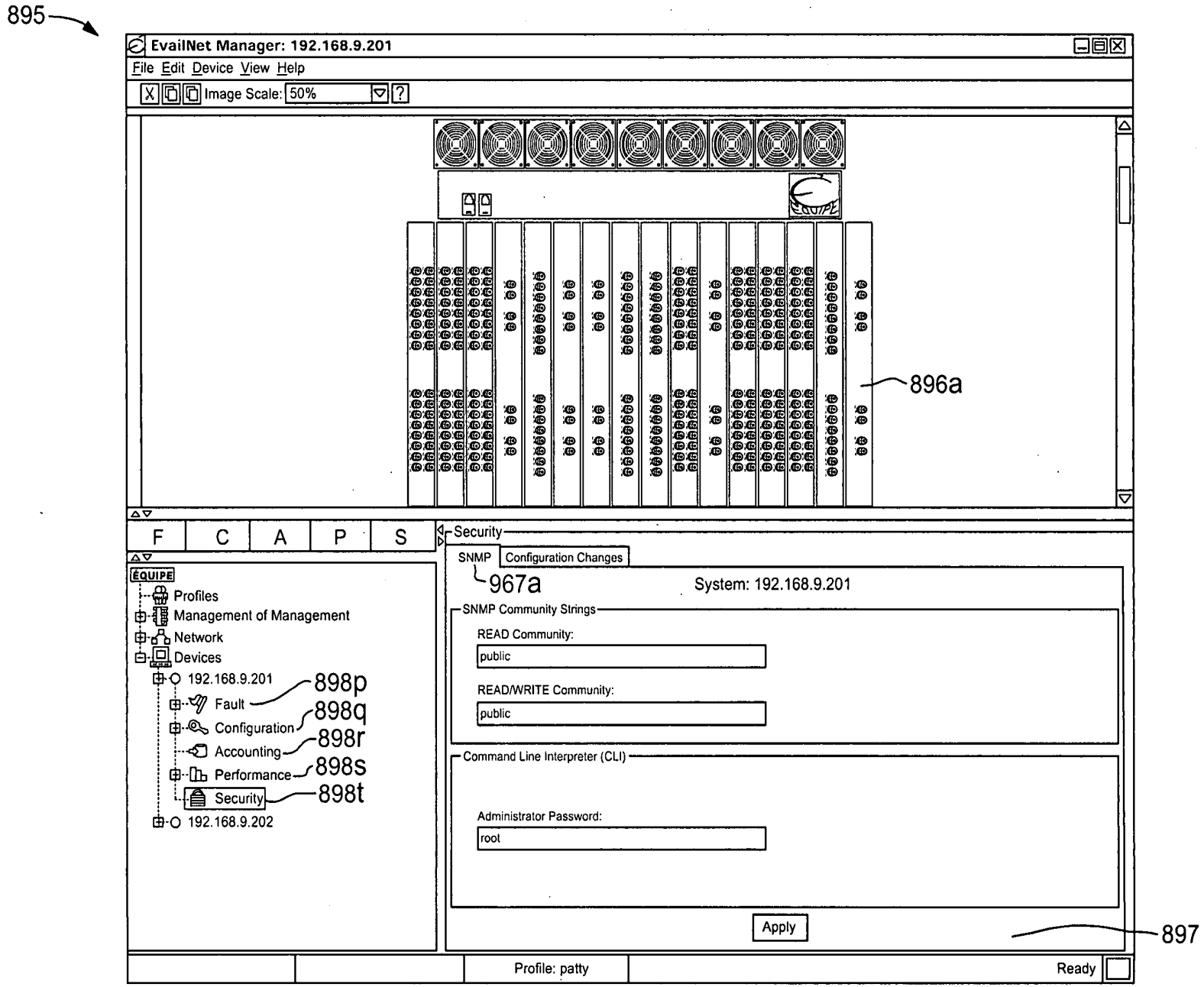

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
192.168.9.202
898p
898q
898r
898s
898t
Security
SNMP
Configuration Changes
967a
System: 192.168.9.201
SNMP Community Strings
READ Community:
public
READ/WRITE Community:
public
Command Line Interpreter (CLI)
Administrator Password:
root
Apply
897
Profile: patty
Ready

FIG. 8D

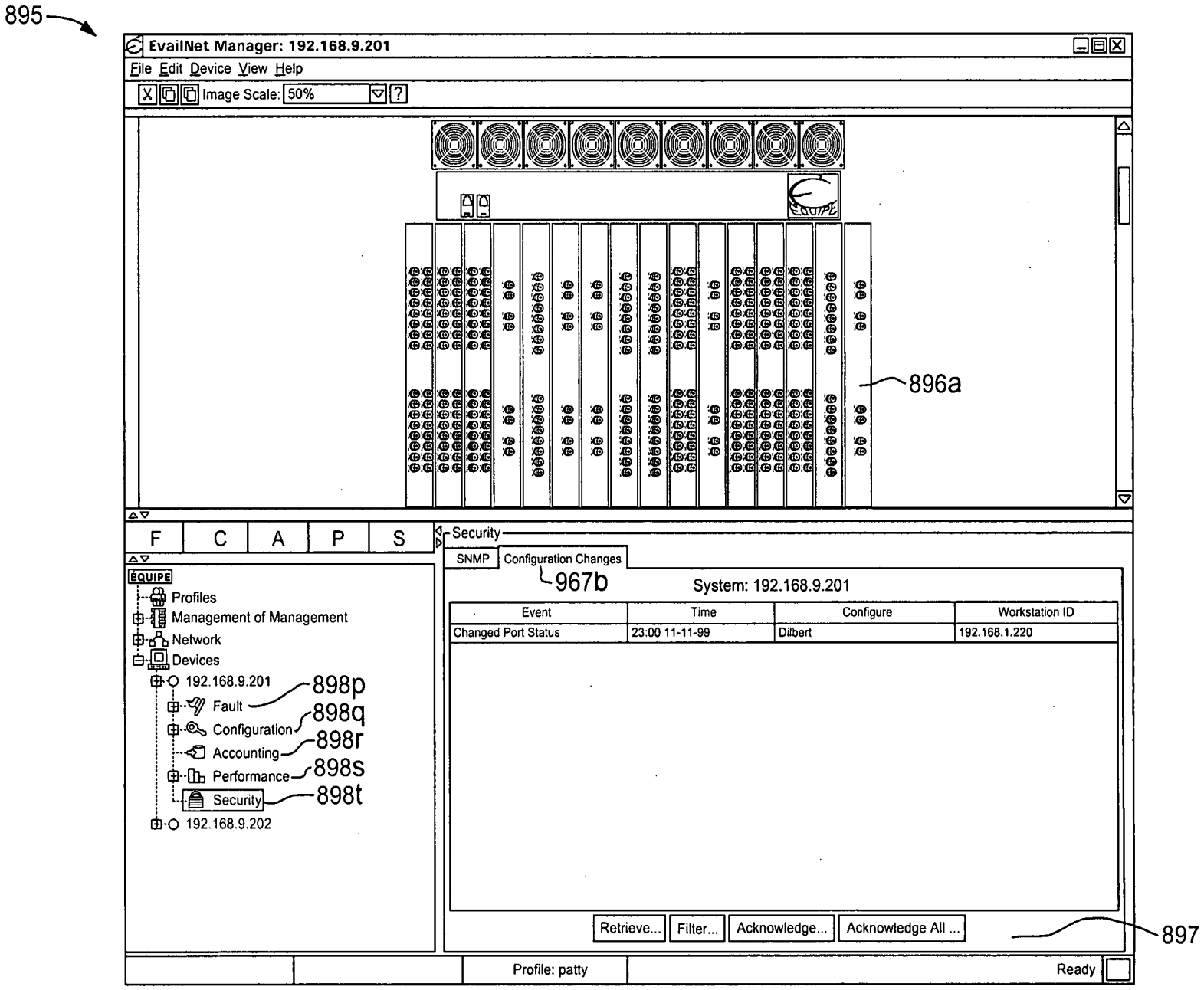

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%
896a
F
C
A
P
S
Security
SNMP
Configuration Changes
967b
System: 192.168.9.201
Event
Time
Configure
Workstation ID
Changed Port Status
23:00 11-11-99
Dilbert
192.168.1.220
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
192.168.9.202
898p
898q
898r
898s
898t
Retrieve...
Filter...
Acknowledge...
Acknowledge All ...
897
Profile: patty
Ready

FIG. 8E

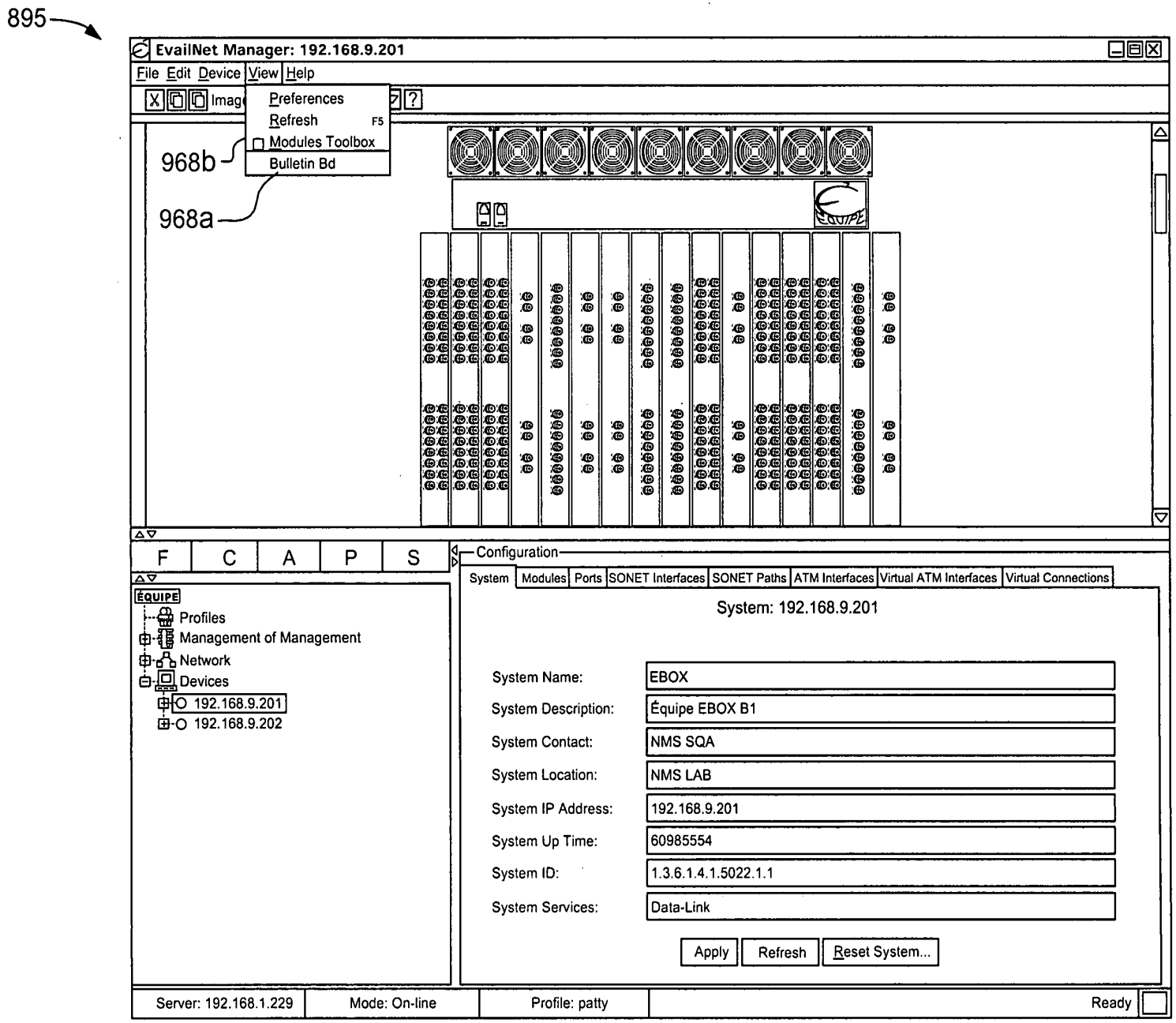

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Preferences
Refresh F5
Modules Toolbox
Bulletin Bd
968b
968a
F C A P S
Profiles
Management of Management
Network
Devices
192.168.9.201
192.168.9.202
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 60985554
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 9A

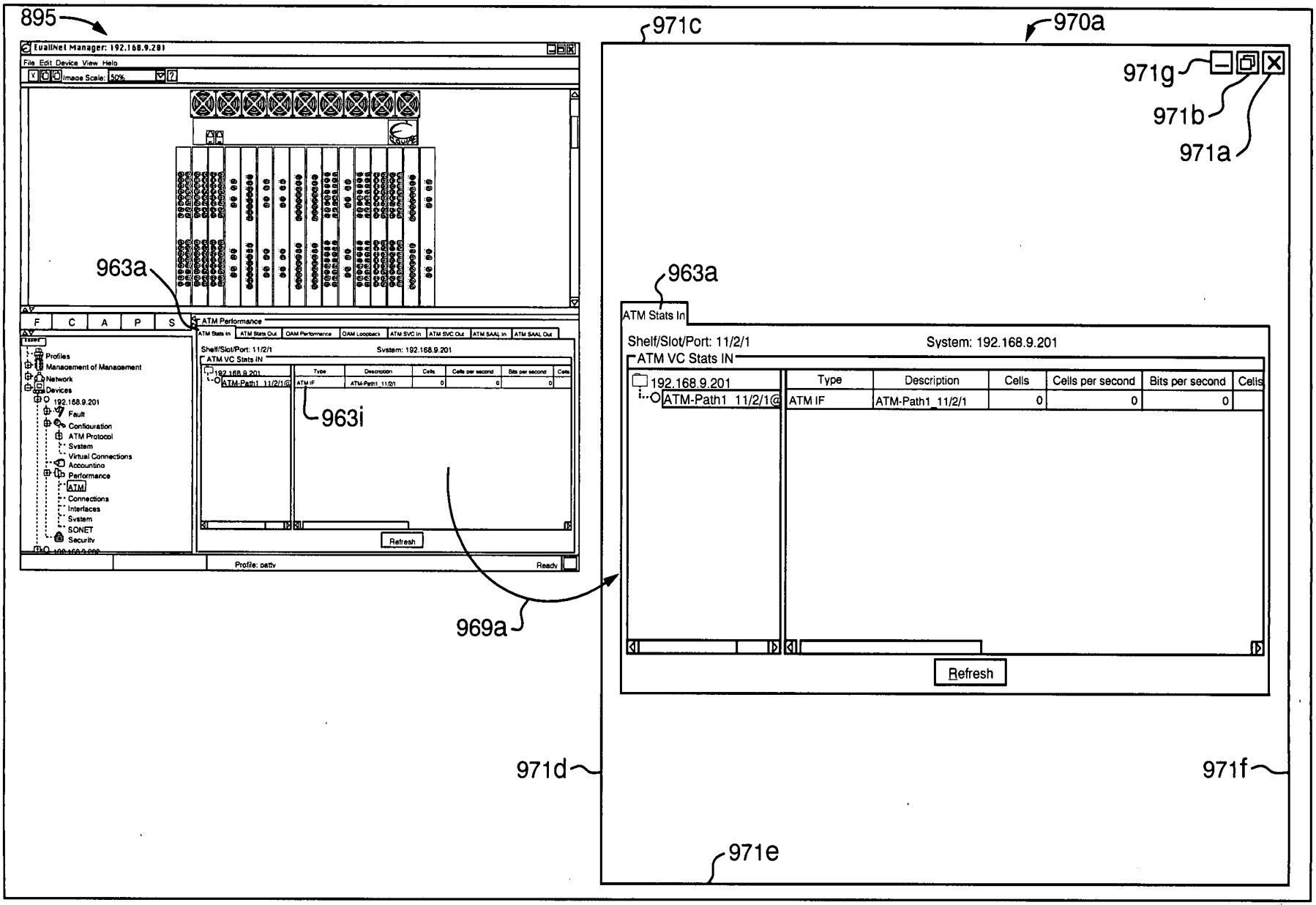

895
971c
970a
971g
971b
971a
963a
963a
963i
969a
971d
971f
971e
ATM Stats In
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh

FIG. 9B

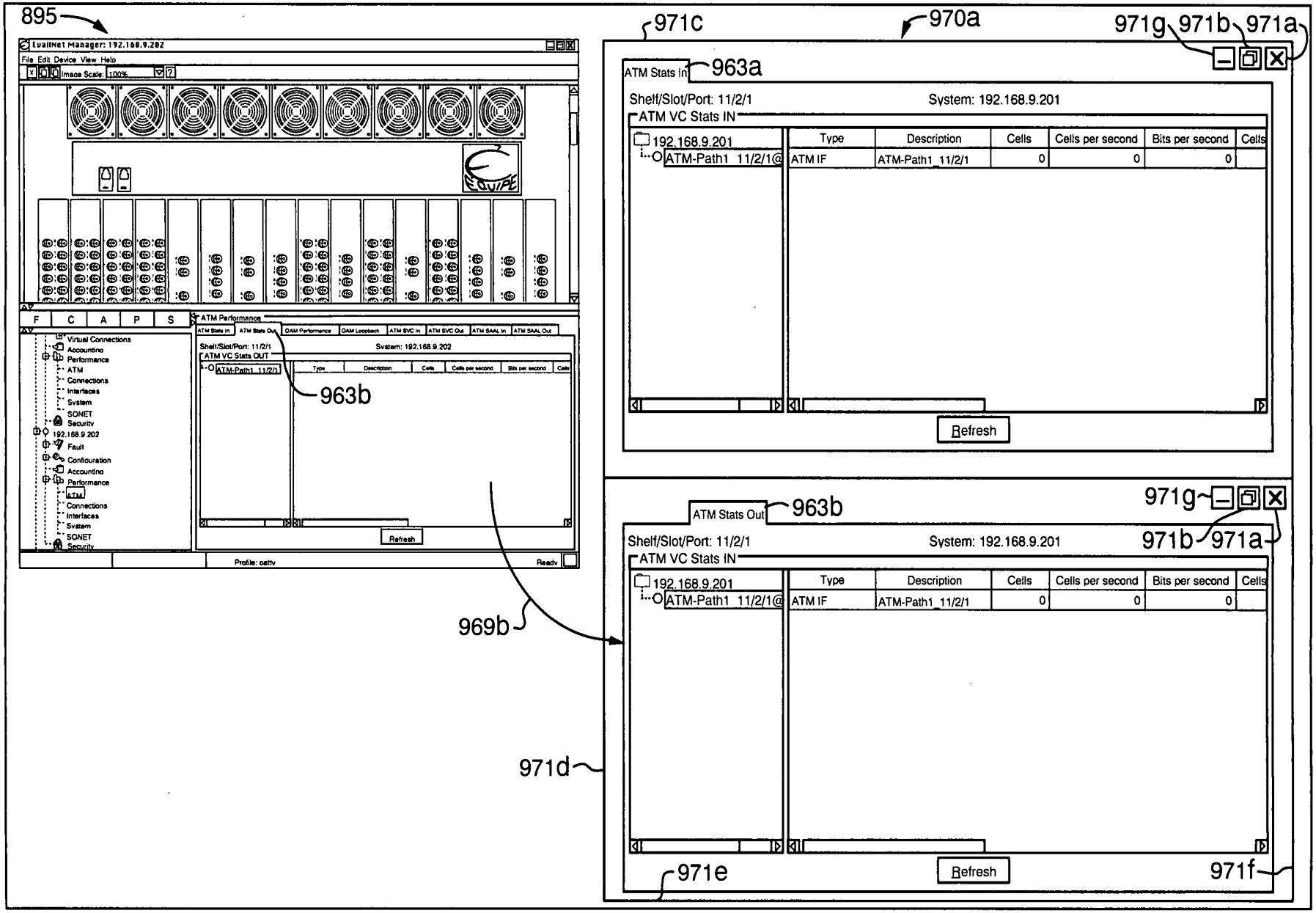

895
971c
970a
971g
971b
971a
963a
ATM Stats In
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
ATM IF
ATM-Path1_11/2/1
Refresh
963b
969b
971d
ATM Stats Out
971e
971f

FIG. 9C

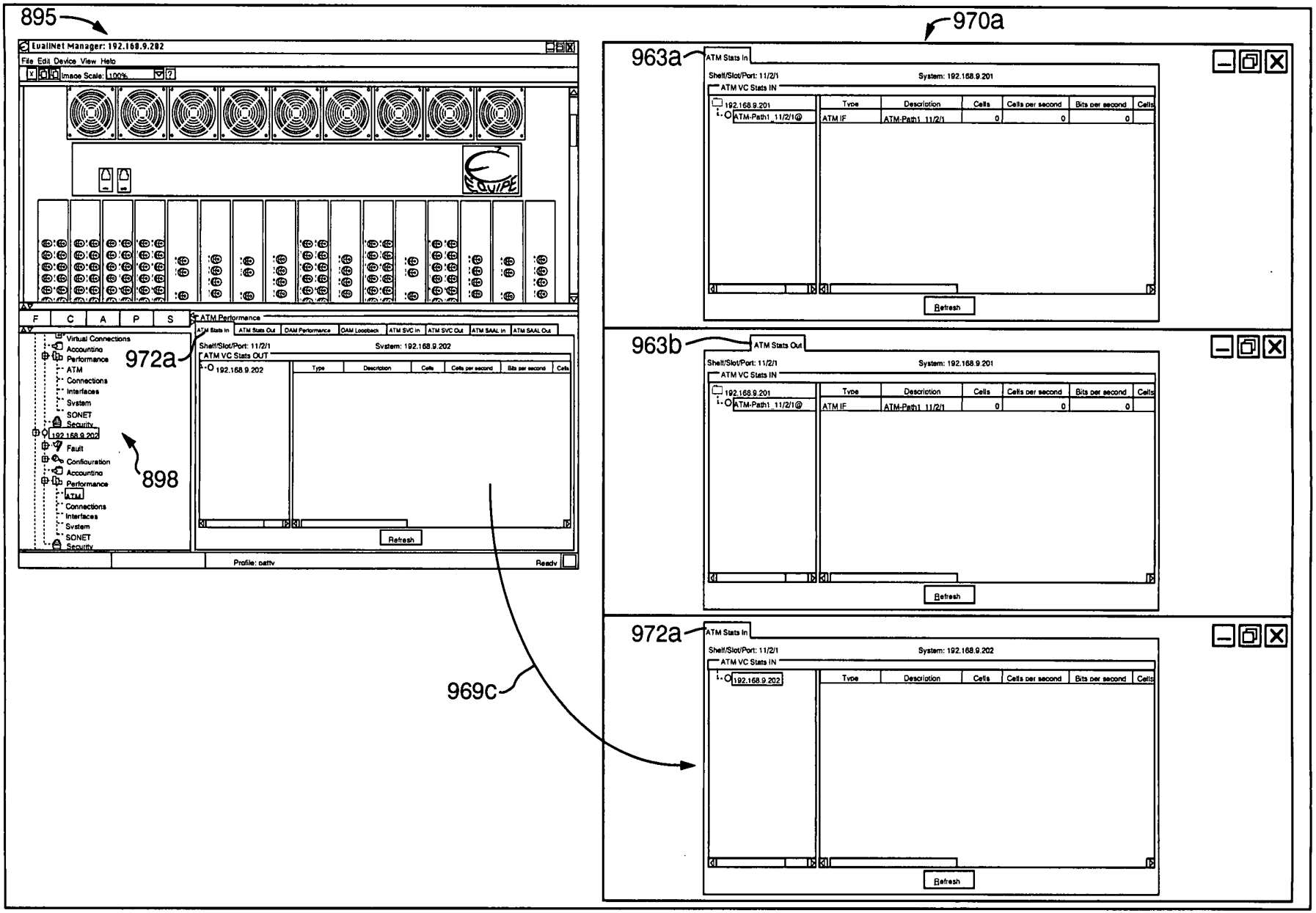

895
970a
963a
963b
972a
898
969c
EualiNet Manager: 192.168.9.282
File Edit Device View Help
Image Scale: 100%
F C A P S
ATM Performance
Virtual Connections
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
ATM Stats In
ATM Stats Out
OAM Performance
OAM Loopback
ATM SVC In
ATM SVC Out
ATM SAAL In
ATM SAAL Out
Shelf/Slot/Port: 11/2/1
System: 192.168.9.202
ATM VC Stats OUT
192.168.9.202
Type
Description
Cells
Cells per second
Bits per second
Refresh
Profile: patty
Ready
ATM Stats In
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
ATM IF
ATM-Path1_11/2/1
0
Refresh
ATM Stats Out
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
ATM IF
ATM-Path1_11/2/1
0
Refresh
ATM Stats In
Shelf/Slot/Port: 11/2/1
System: 192.168.9.202
ATM VC Stats IN
192.168.9.202
Type
Description
Cells
Cells per second
Bits per second
Refresh

FIG. 9D

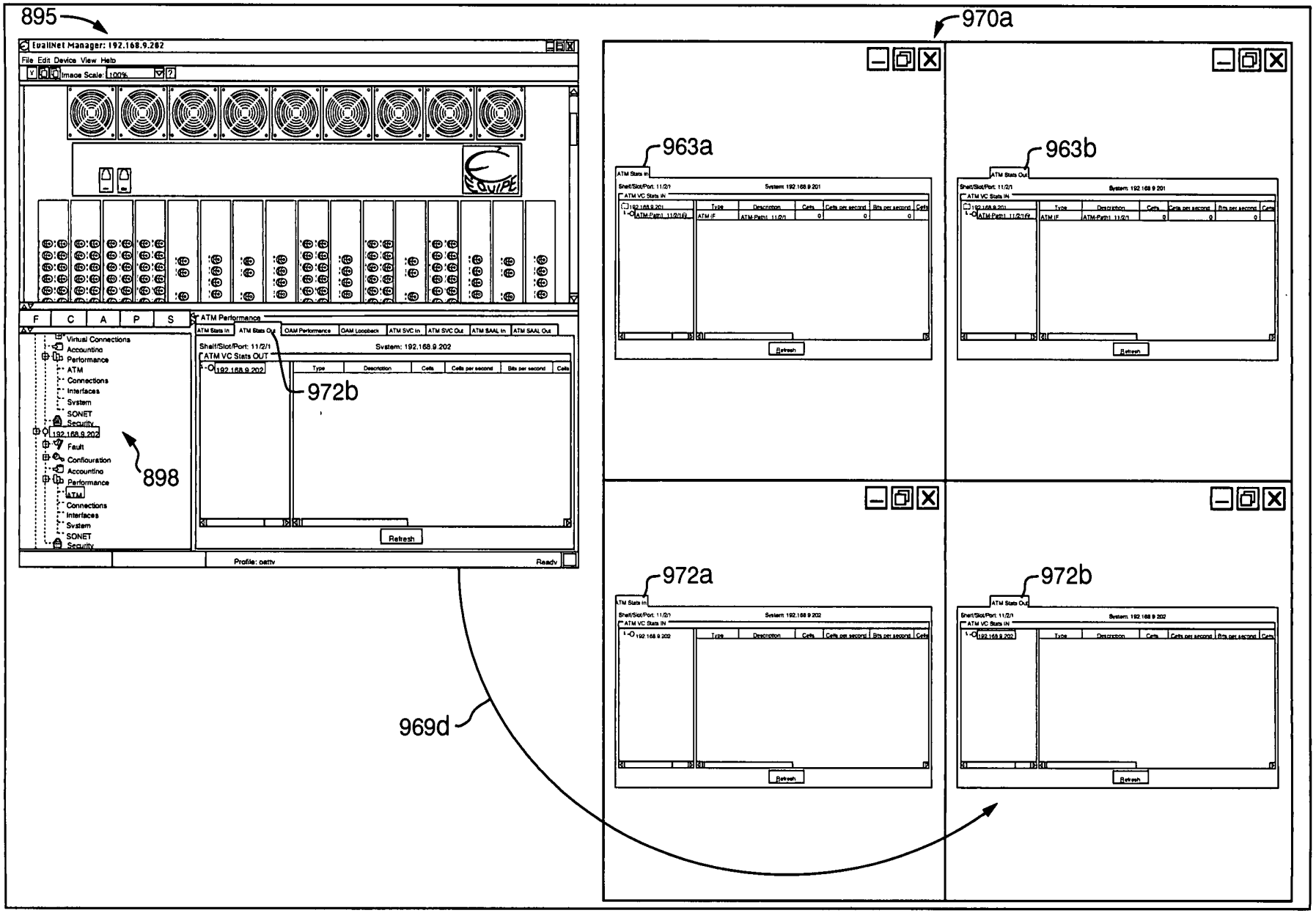


FIG. 9E

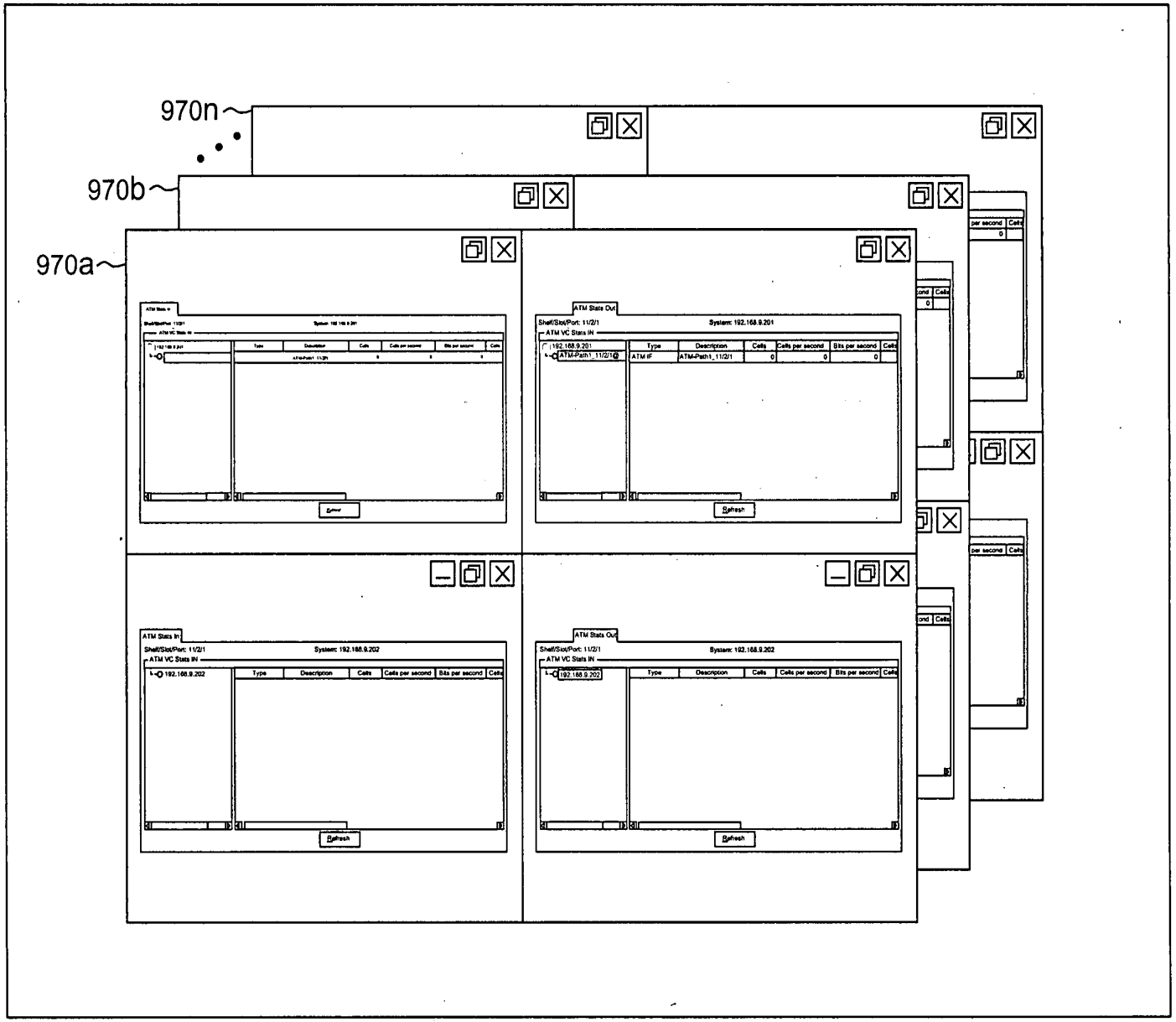

970n
970b
970a
ATM Stats In
Shelf/Slot/Port: 1/1/2/1
System: 192.168.9.202
ATM VC Stats IN
192.168.9.202
Type
Description
Cells
Cells per second
Bits per second
Refresh
ATM Stats Out
Shelf/Slot/Port: 1/1/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_1/1/2/1
ATM IF
ATM-Path1_1/1/2/1
0
Refresh
ATM Stats Out
Shelf/Slot/Port: 1/1/2/1
System: 192.168.9.202
ATM VC Stats IN
192.168.9.202
Refresh

FIG. 9F

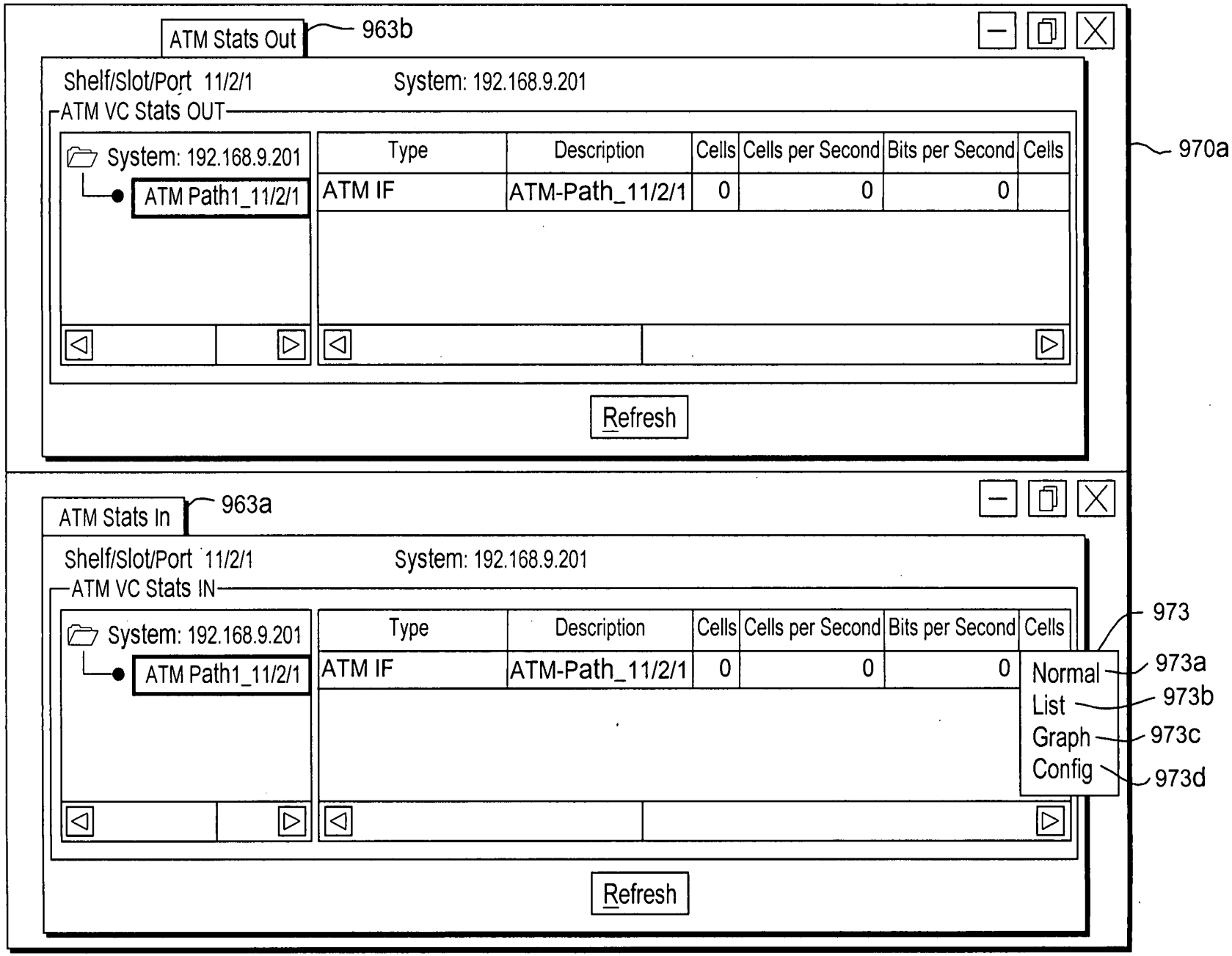

ATM Stats Out
963b
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats OUT
System: 192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path_11/2/1
0
0
0
Refresh
970a
ATM Stats In
963a
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats IN
System: 192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path_11/2/1
0
0
0
Refresh
973
Normal
List
Graph
Config
973a
973b
973c
973d

FIG. 9G

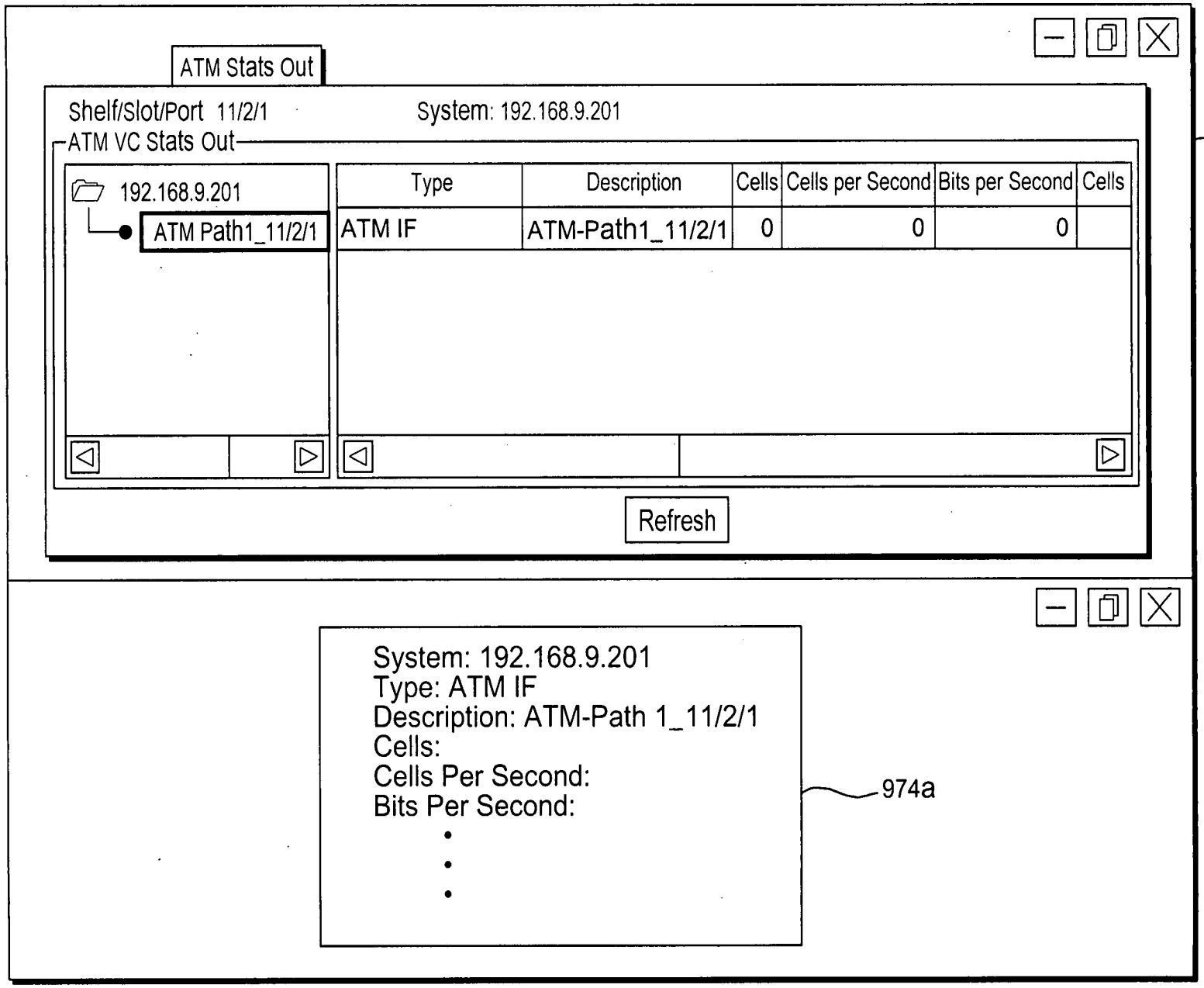

ATM Stats Out
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats Out
192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
970a
System: 192.168.9.201
Type: ATM IF
Description: ATM-Path 1_11/2/1
Cells:
Cells Per Second:
Bits Per Second:
974a

FIG. 9H

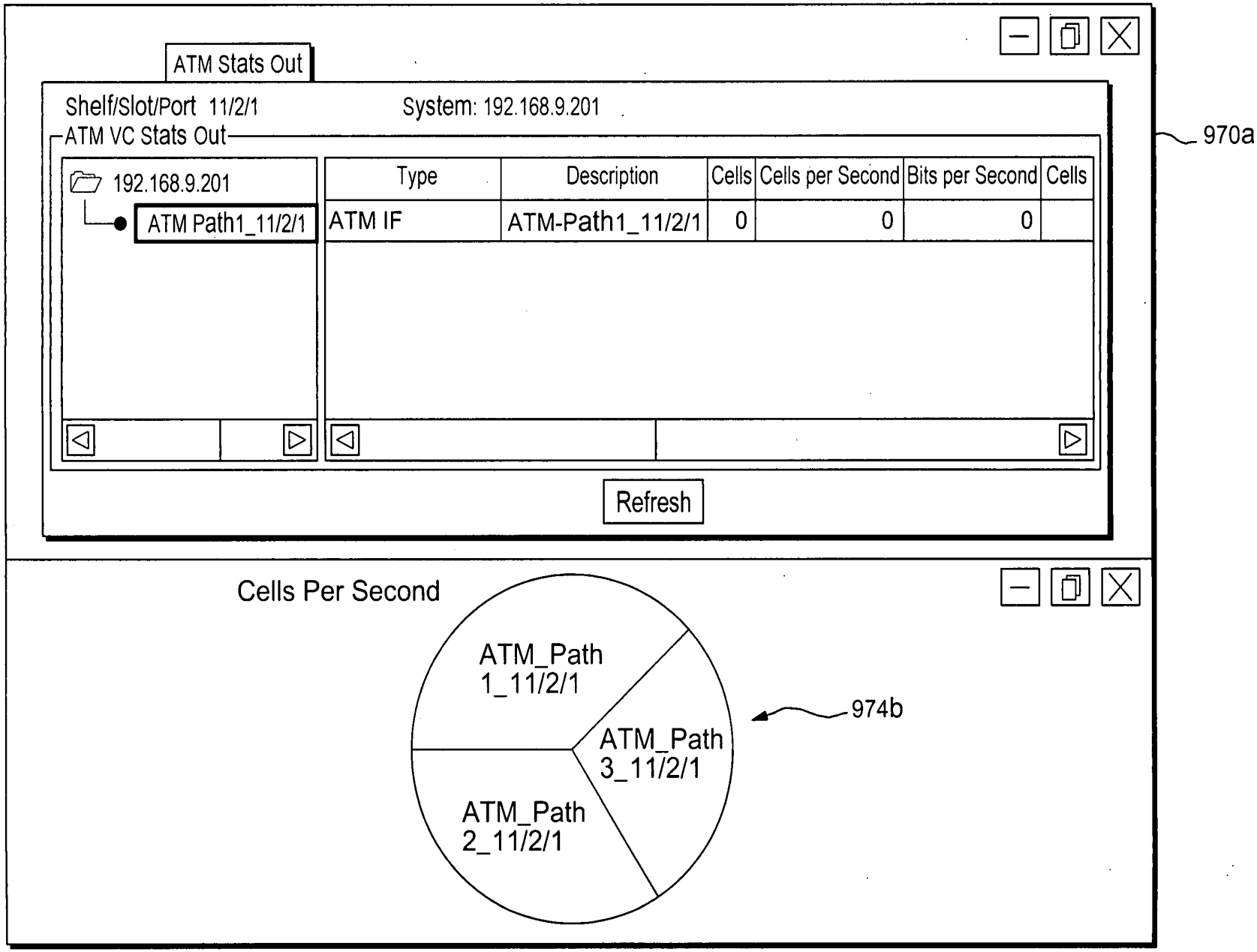

ATM Stats Out
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats Out
192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
970a
Cells Per Second
ATM_Path 1_11/2/1
ATM_Path 3_11/2/1
ATM_Path 2_11/2/1
974b

FIG. 9I

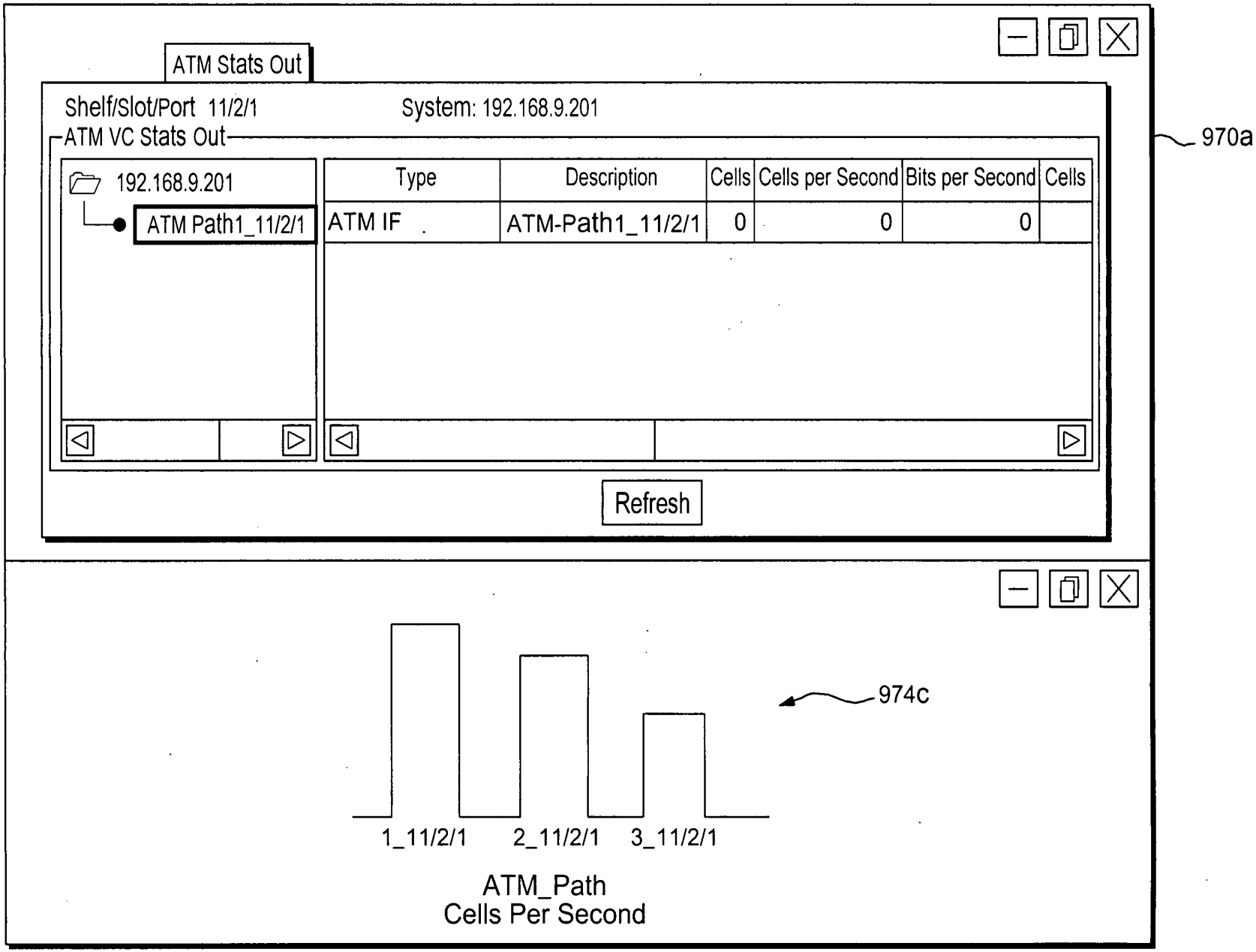

ATM Stats Out
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats Out
192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
970a
974c
1_11/2/1
2_11/2/1
3_11/2/1
ATM_Path
Cells Per Second

FIG. 9J

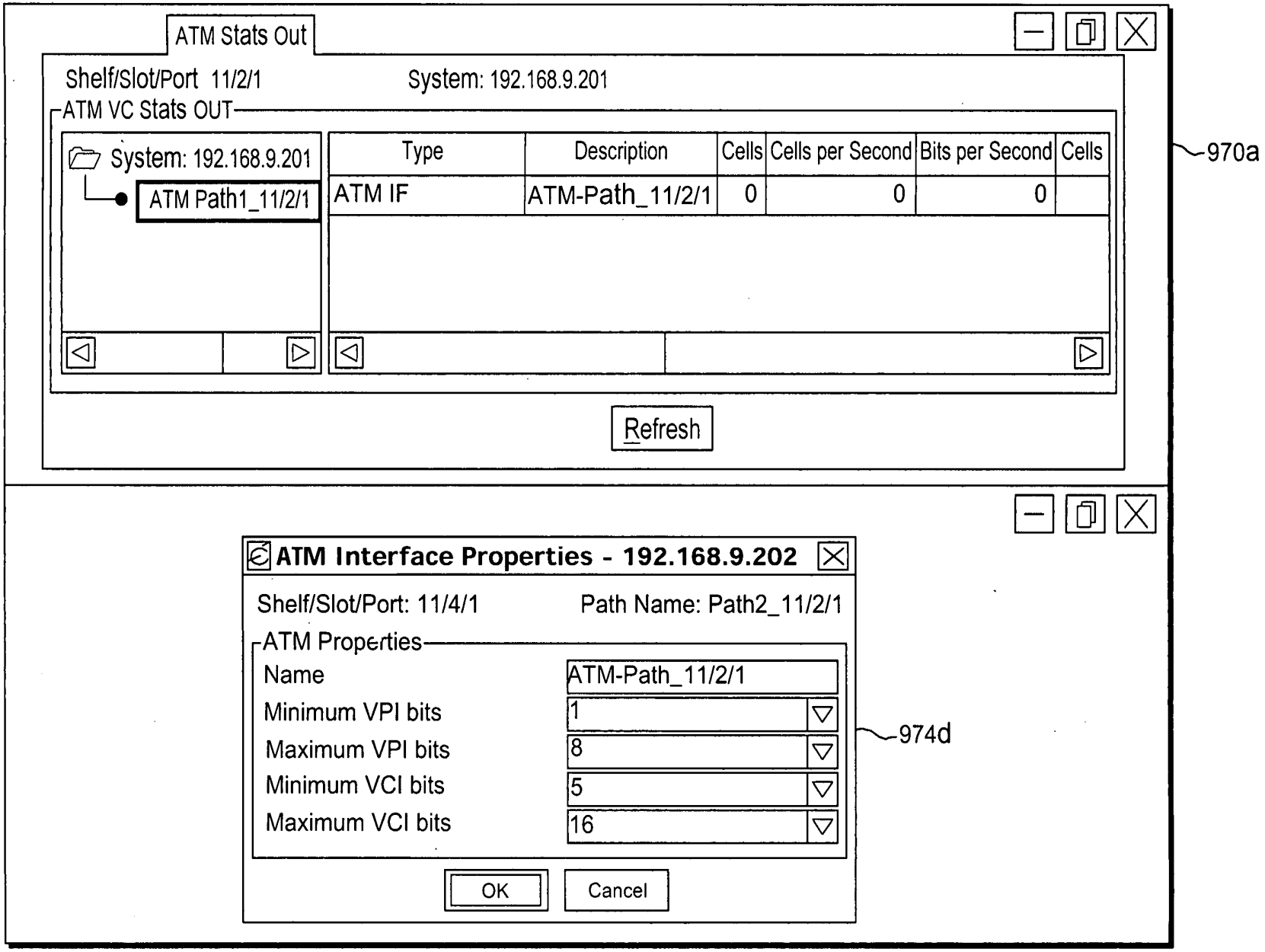

ATM Stats Out
Shelf/Slot/Port 11/2/1
System: 192.168.9.201
ATM VC Stats OUT
System: 192.168.9.201
ATM Path1_11/2/1
Type
Description
Cells
Cells per Second
Bits per Second
Cells
ATM IF
ATM-Path_11/2/1
0
0
0
Refresh
970a
ATM Interface Properties - 192.168.9.202
Shelf/Slot/Port: 11/4/1
Path Name: Path2_11/2/1
ATM Properties
Name
ATM-Path_11/2/1
Minimum VPI bits
1
Maximum VPI bits
8
Minimum VCI bits
5
Maximum VCI bits
16
OK
Cancel
974d

FIG. 9K

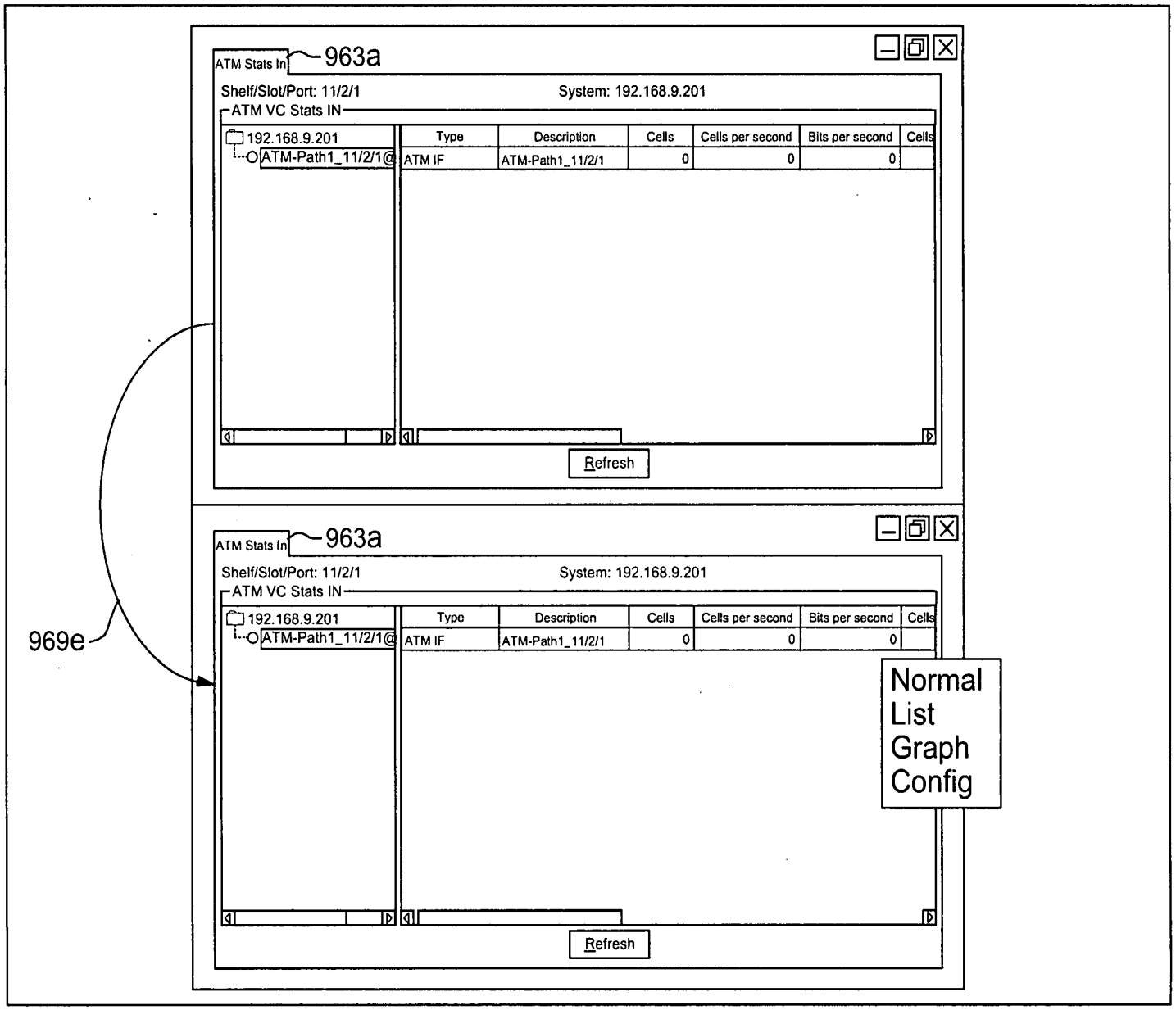

ATM Stats In
963a
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
ATM Stats In
963a
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
192.168.9.201
ATM-Path1_11/2/1@
Type
Description
Cells
Cells per second
Bits per second
Cells
ATM IF
ATM-Path1_11/2/1
0
0
0
Refresh
969e
Normal
List
Graph
Config

FIG. 9L

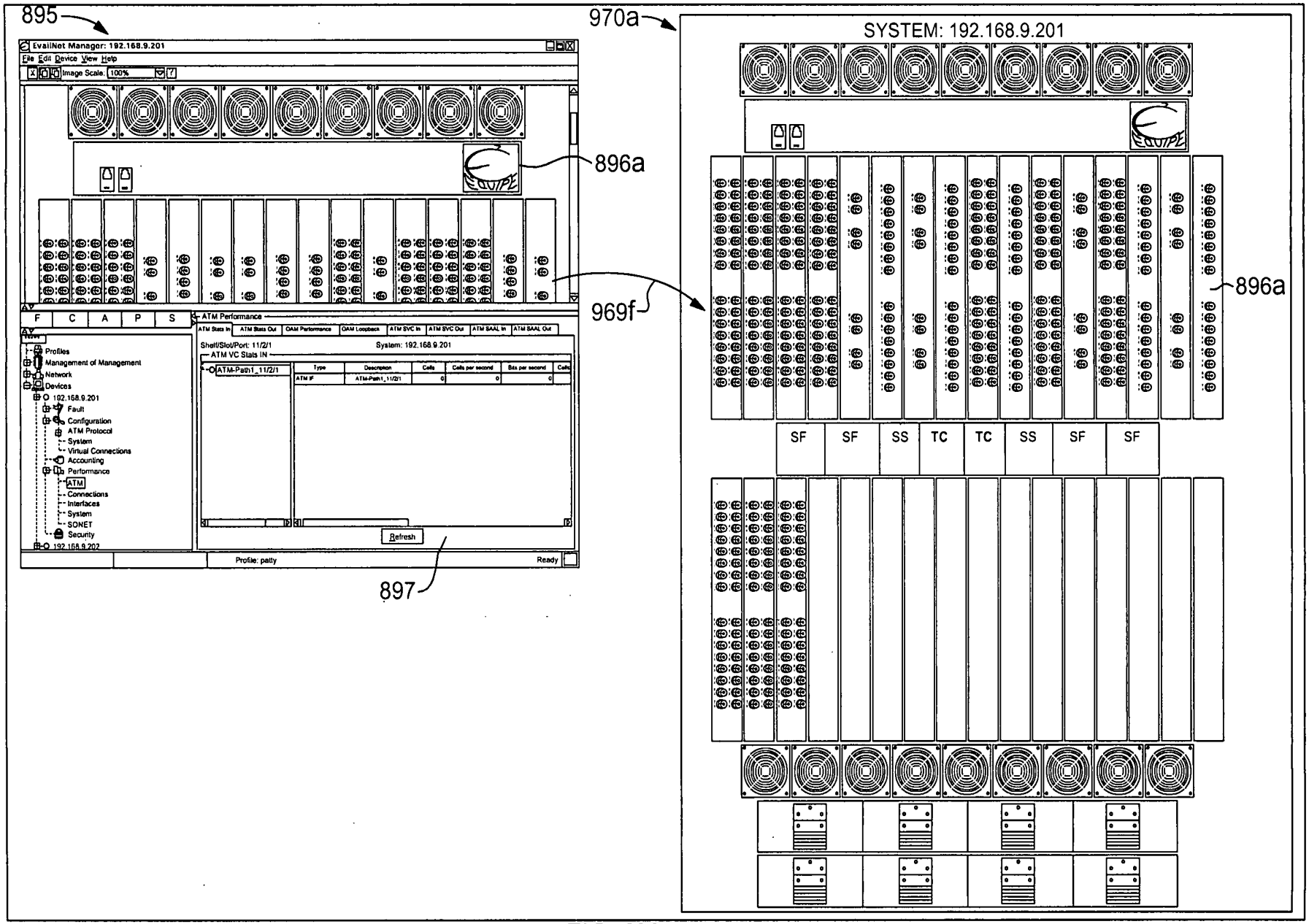

895
970a
EvalNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
896a
969f
F C A P S
ATM Performance
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
ATM Protocol
System
Virtual Connections
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
Shelf/Slot/Port: 11/2/1
System: 192.168.9.201
ATM VC Stats IN
ATM-Path1_11/2/1
Refresh
Profile: patty
Ready
897
SYSTEM: 192.168.9.201
SF SF SS TC TC SS SF SF
896a

FIG. 9M

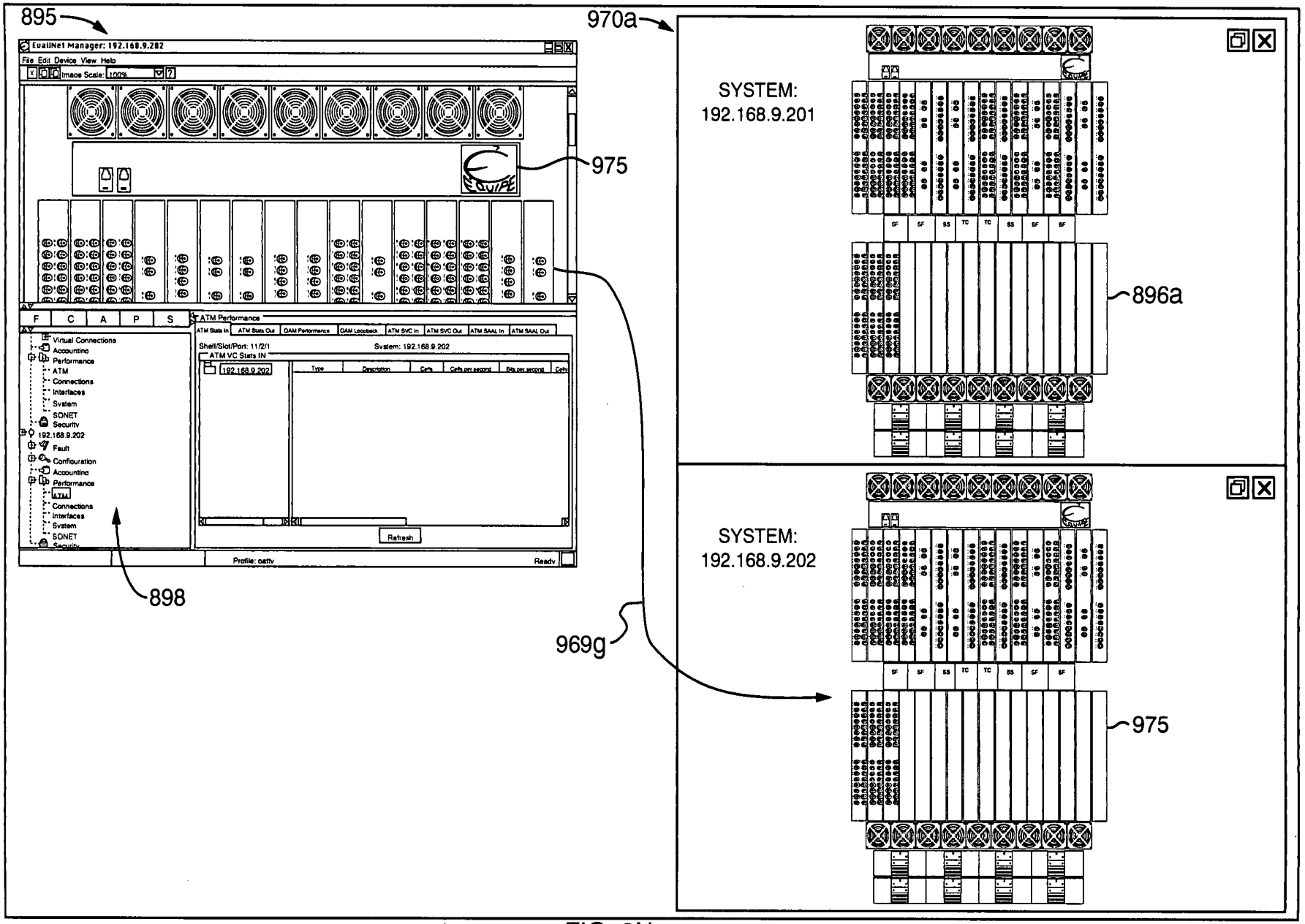

895
970a
EsaliNet Manager: 192.168.9.282
File Edit Device View Help
Image Scale: 100%
975
F C A P S
ATM Performance
Virtual Connections
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
Shelf/Slot/Port: 11/2/1
System: 192.168.9.202
ATM VC Stats IN
192.168.9.202
Refresh
Profile: oattv
Ready
898
SYSTEM:
192.168.9.201
896a
SYSTEM:
192.168.9.202
969g
975

FIG. 9N

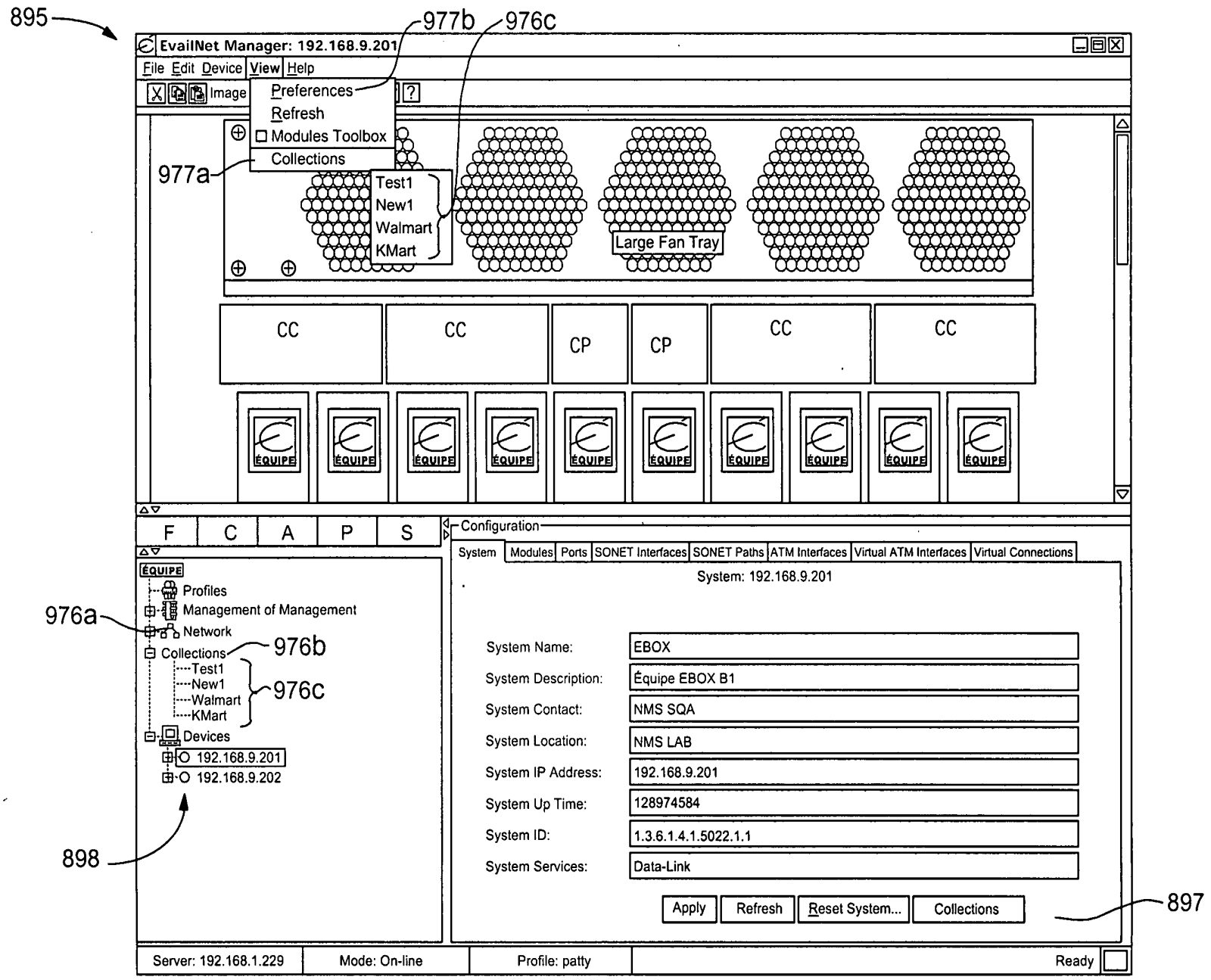

895
977b
976c
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image
Preferences
Refresh
Modules Toolbox
Collections
977a
Test1
New1
Walmart
KMart
Large Fan Tray
CC
CC
CP
CP
CC
CC
ÉQUIPE
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
976a
Profiles
Management of Management
Network
Collections
976b
Test1
New1
Walmart
KMart
976c
Devices
192.168.9.201
192.168.9.202
898
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 128974584
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
Collections
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 10A

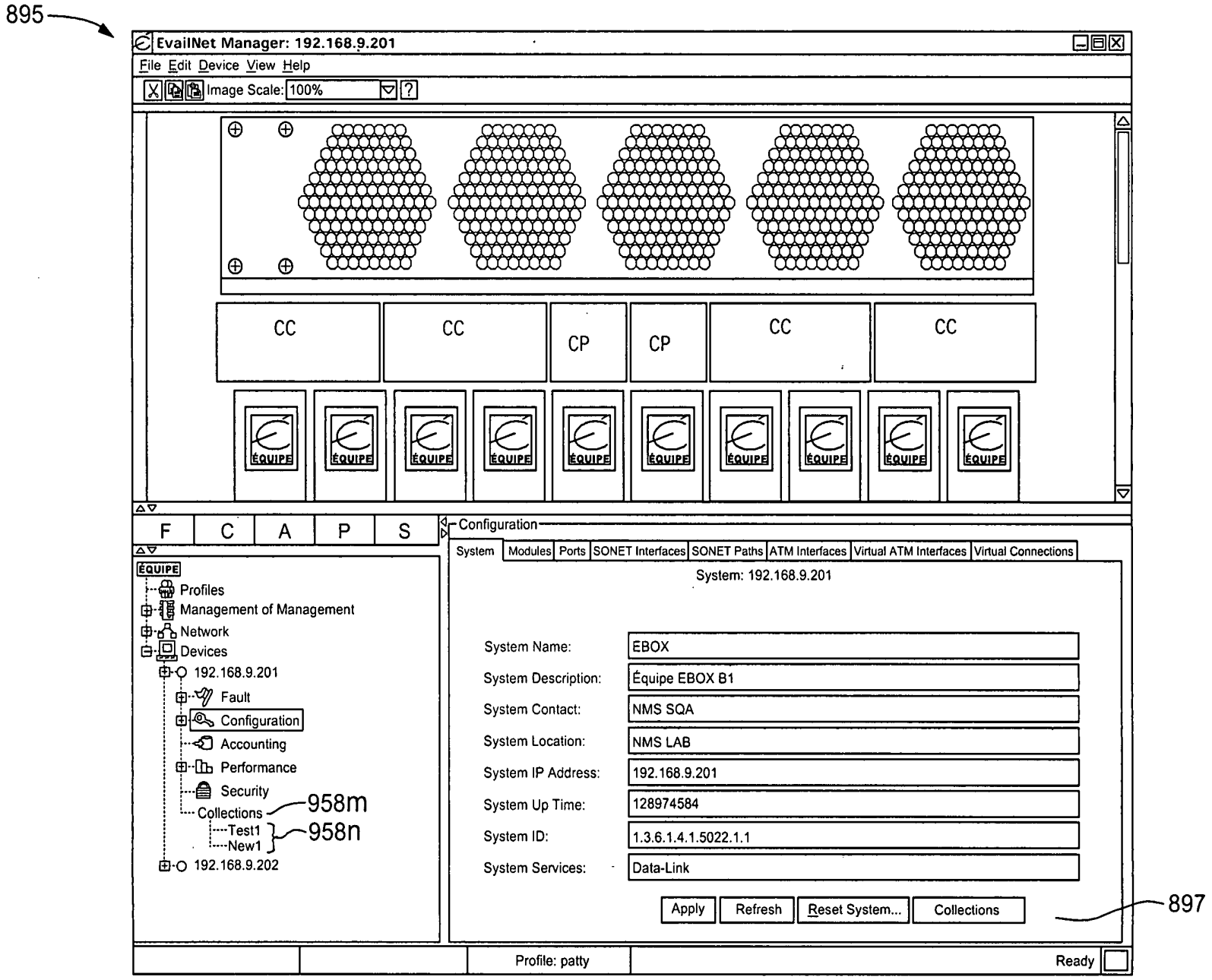

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.201
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
Collections
Test1
New1
192.168.9.202
958m
958n
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 128974584
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply
Refresh
Reset System...
Collections
897
Profile: patty
Ready

FIG. 10B

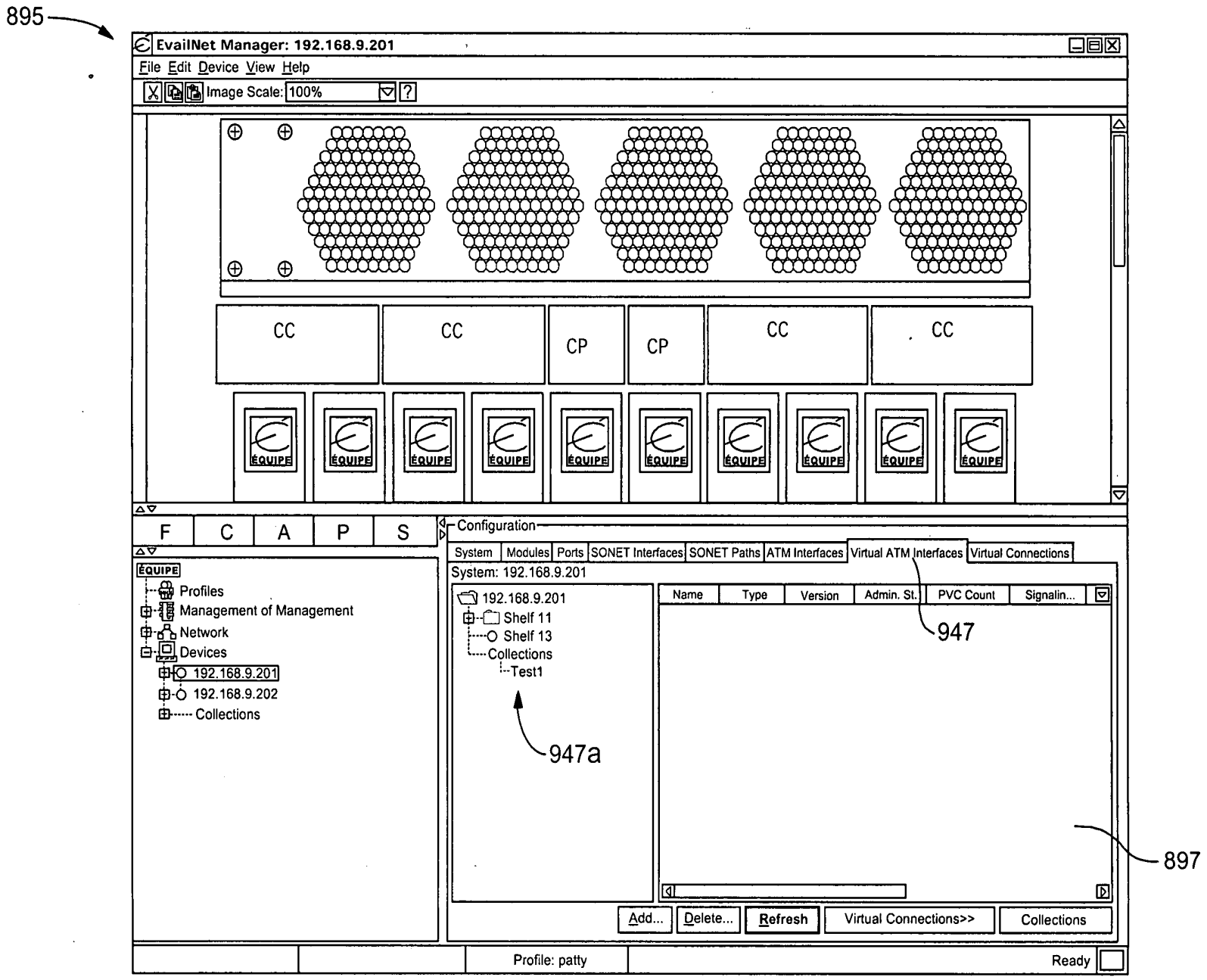

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
192.168.9.202
Collections
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.201
192.168.9.201
Shelf 11
Shelf 13
Collections
Test1
947a
Name
Type
Version
Admin. St.
PVC Count
Signalin...
947
897
Add...
Delete...
Refresh
Virtual Connections>>
Collections
Profile: patty
Ready

FIG. 10C

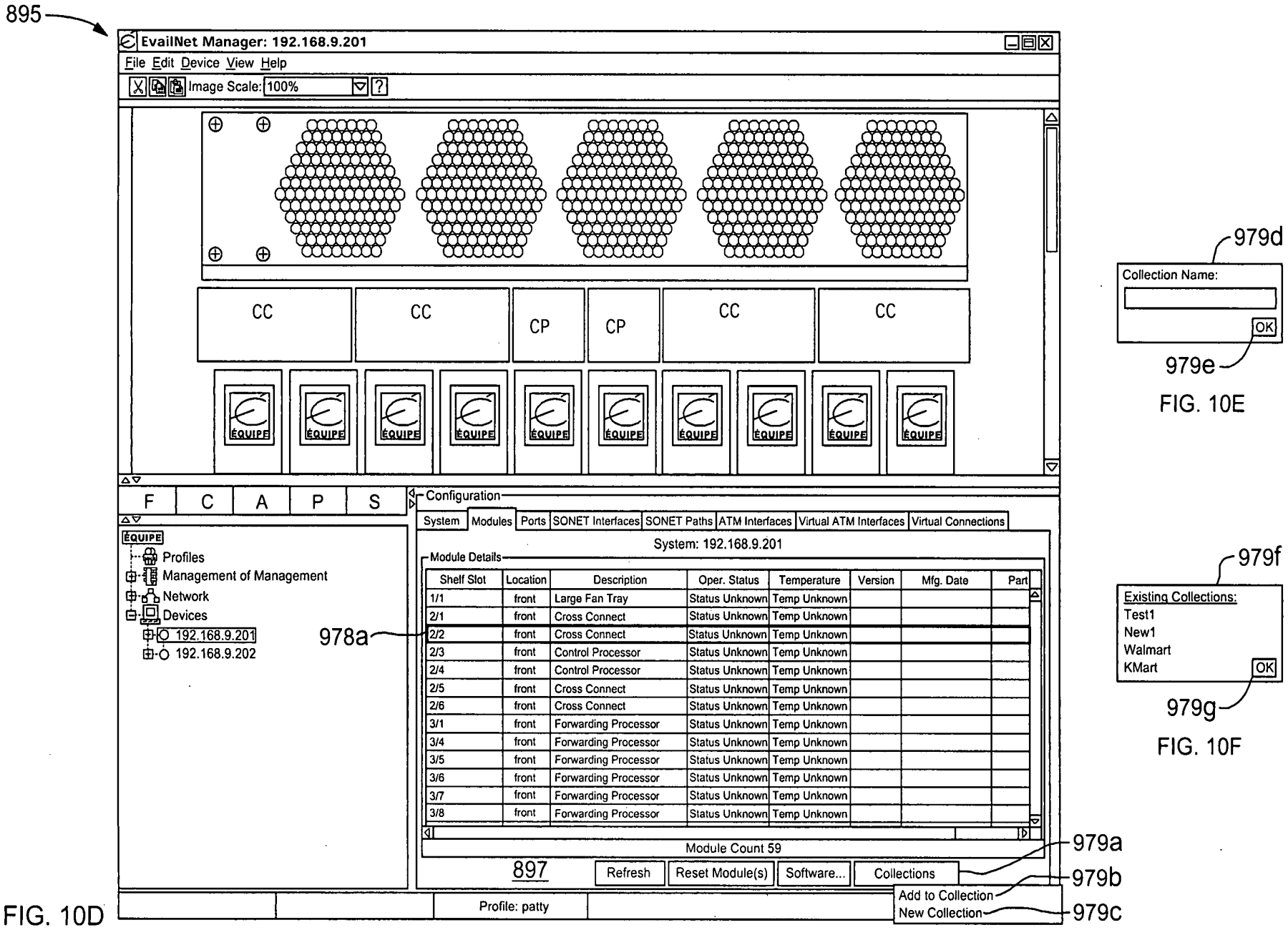


FIG. 10D

FIG. 10E

FIG. 10F

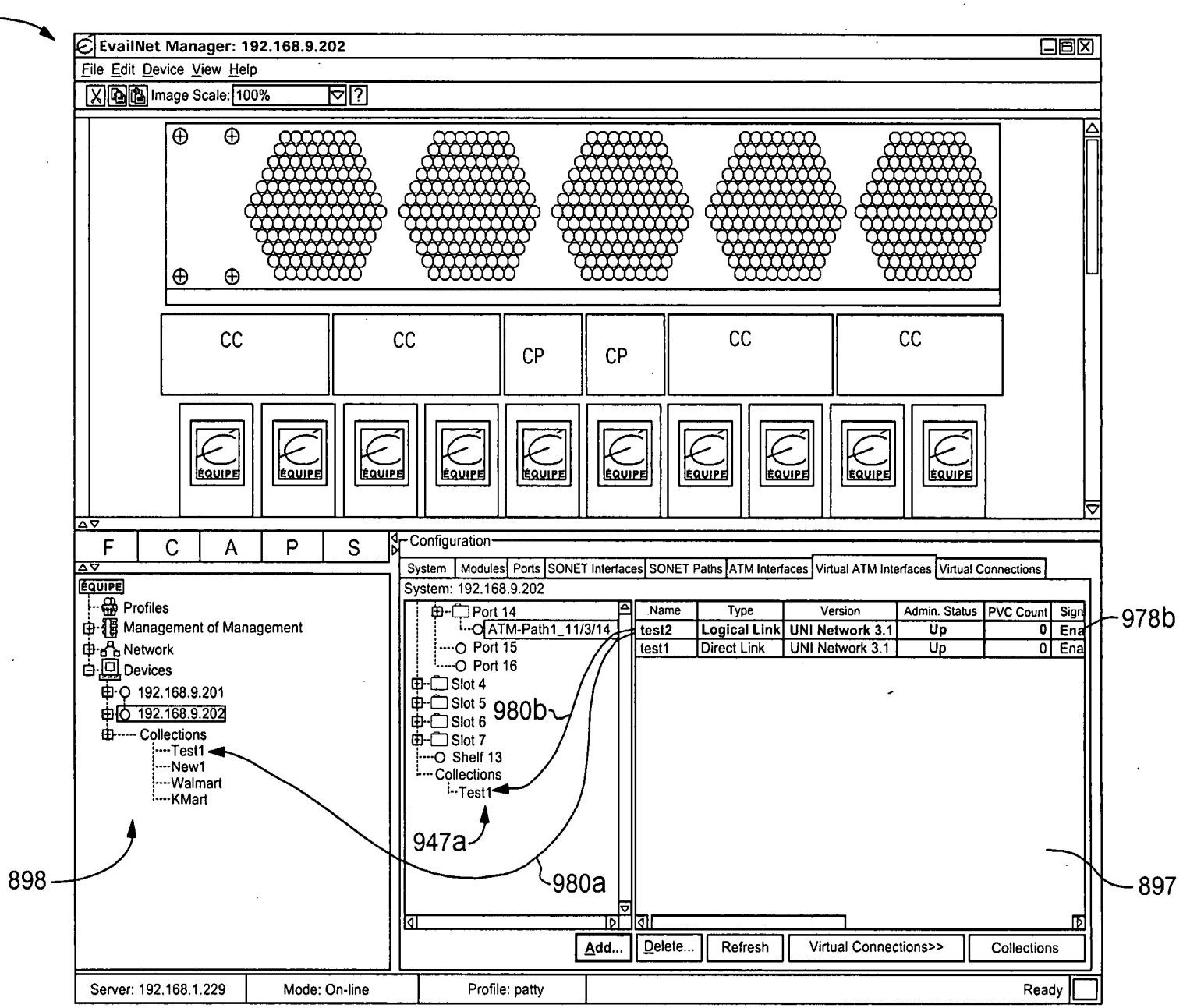

895
EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.202
Profiles
Management of Management
Network
Devices
192.168.9.201
192.168.9.202
Collections
Test1
New1
Walmart
KMart
Port 14
ATM-Path1_11/3/14
Port 15
Port 16
Slot 4
Slot 5
Slot 6
Slot 7
Shelf 13
Collections
Test1
980b
947a
980a
898
897
978b
Name
Type
Version
Admin. Status
PVC Count
Sign
test2
Logical Link
UNI Network 3.1
Up
0
Ena
test1
Direct Link
UNI Network 3.1
Up
0
Ena
Add...
Delete...
Refresh
Virtual Connections>>
Collections
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 10G

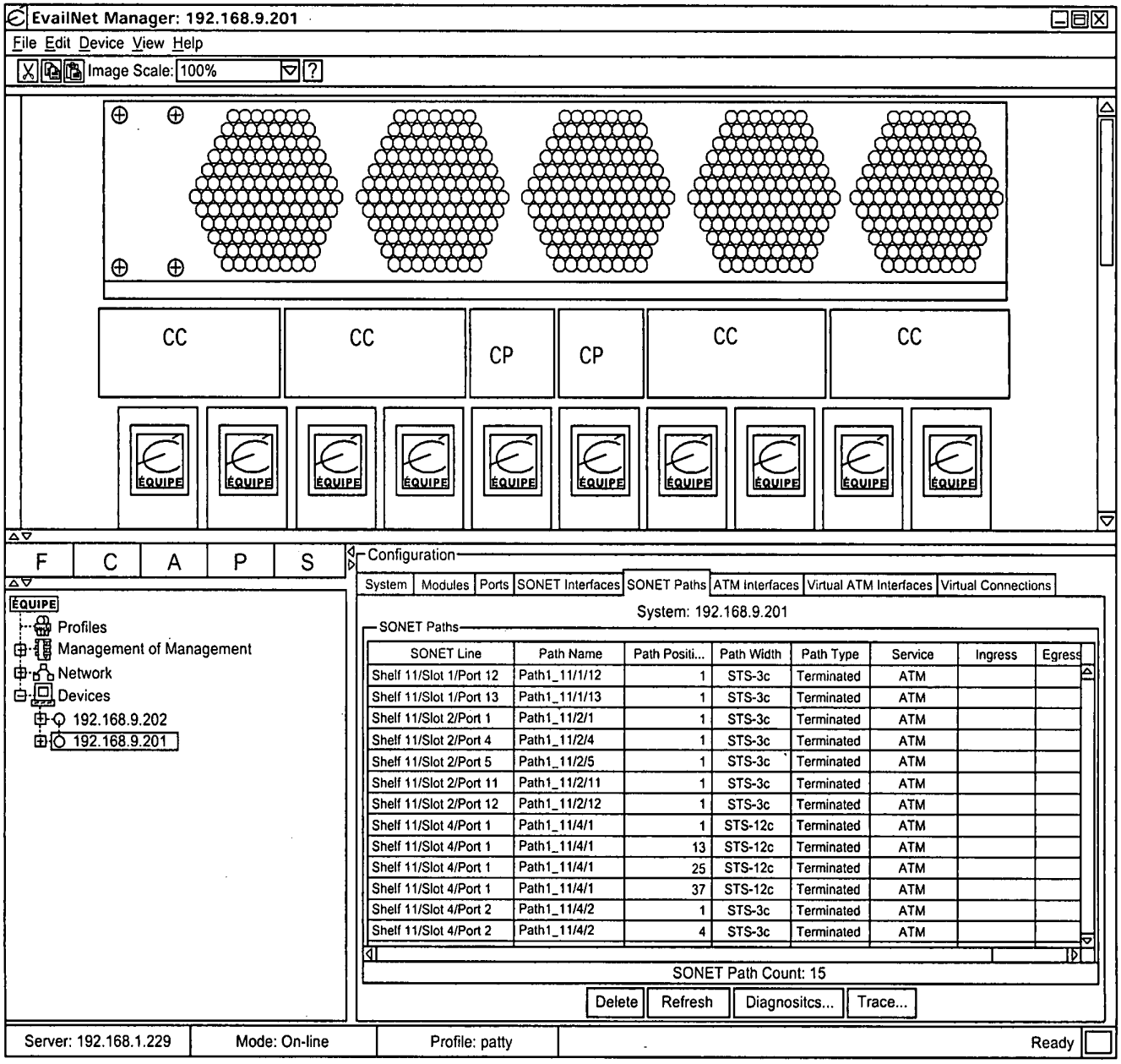

EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F C A P S
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.201
SONET Paths
SONET Line | Path Name | Path Positi... | Path Width | Path Type | Service | Ingress | Egress
Shelf 11/Slot 1/Port 12 | Path1_11/1/12 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 1/Port 13 | Path1_11/1/13 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 2/Port 1 | Path1_11/2/1 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 2/Port 4 | Path1_11/2/4 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 2/Port 5 | Path1_11/2/5 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 2/Port 11 | Path1_11/2/11 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 2/Port 12 | Path1_11/2/12 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path1_11/4/1 | 1 | STS-12c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path1_11/4/1 | 13 | STS-12c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path1_11/4/1 | 25 | STS-12c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path1_11/4/1 | 37 | STS-12c | Terminated | ATM
Shelf 11/Slot 4/Port 2 | Path1_11/4/2 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 4/Port 2 | Path1_11/4/2 | 4 | STS-3c | Terminated | ATM
SONET Path Count: 15
Delete Refresh Diagnositcs... Trace...
Server: 192.168.1.229 Mode: On-line Profile: patty Ready

FIG. 10H

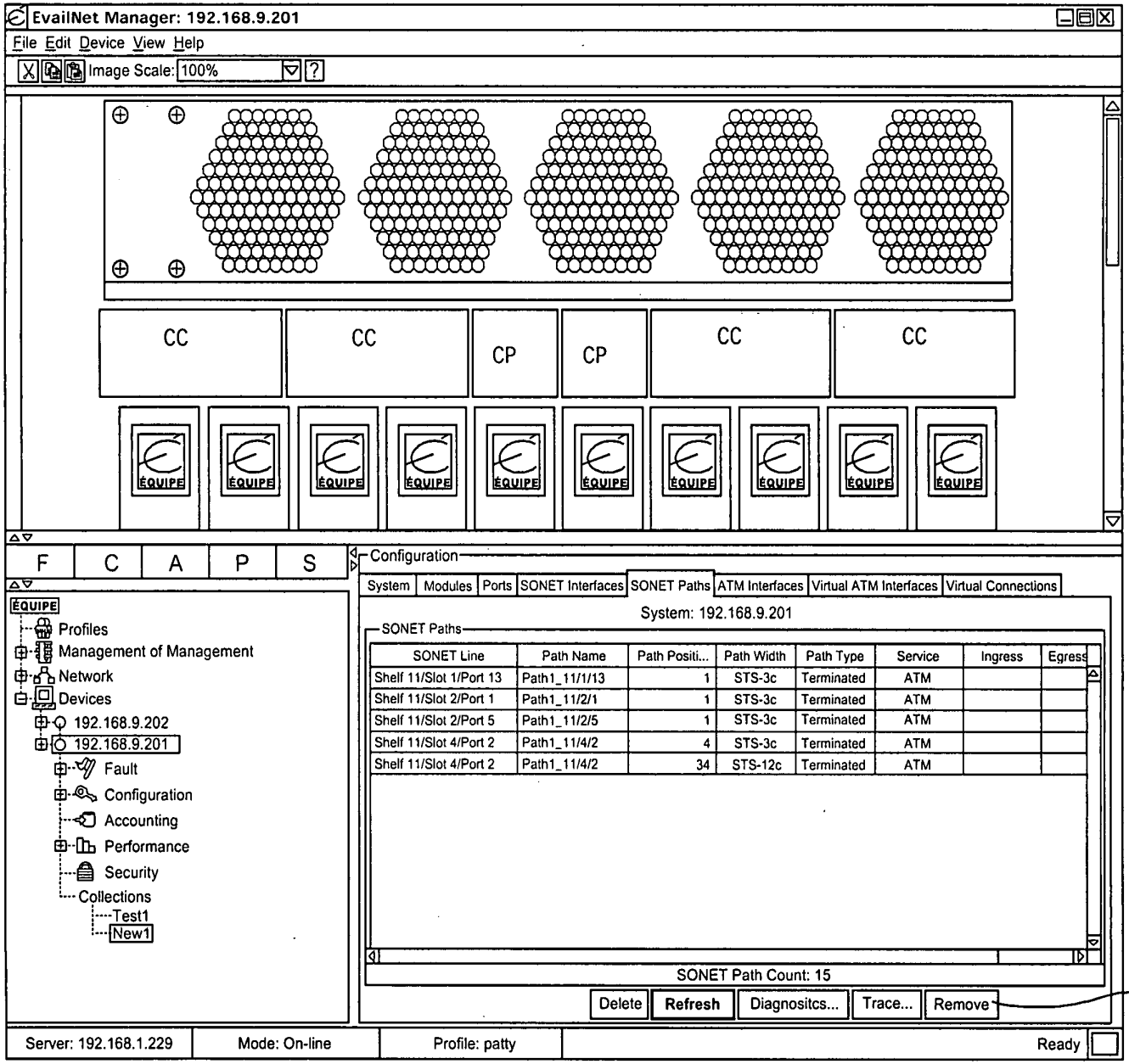

EvailNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 100%
CC
CC
CP
CP
CC
CC
ÉQUIPE
F
C
A
P
S
Configuration
System
Modules
Ports
SONET Interfaces
SONET Paths
ATM Interfaces
Virtual ATM Interfaces
Virtual Connections
System: 192.168.9.201
SONET Paths
SONET Line
Path Name
Path Positi...
Path Width
Path Type
Service
Ingress
Egress
Shelf 11/Slot 1/Port 13
Path1_11/1/13
1
STS-3c
Terminated
ATM
Shelf 11/Slot 2/Port 1
Path1_11/2/1
1
STS-3c
Terminated
ATM
Shelf 11/Slot 2/Port 5
Path1_11/2/5
1
STS-3c
Terminated
ATM
Shelf 11/Slot 4/Port 2
Path1_11/4/2
4
STS-3c
Terminated
ATM
Shelf 11/Slot 4/Port 2
Path1_11/4/2
34
STS-12c
Terminated
ATM
SONET Path Count: 15
Delete
Refresh
Diagnositcs...
Trace...
Remove
982
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.201
Fault
Configuration
Accounting
Performance
Security
Collections
Test1
New1
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 10I

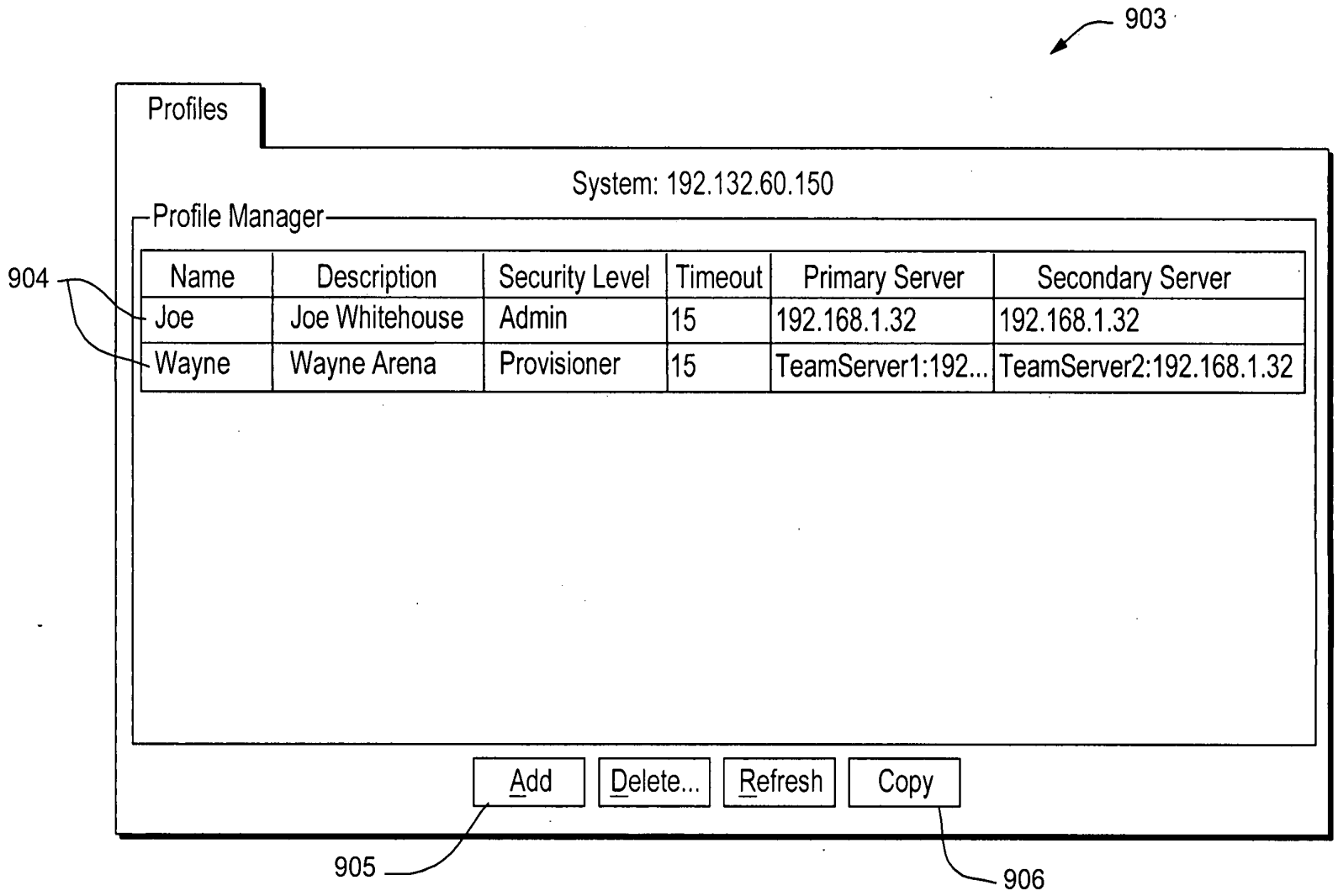

903
Profiles
System: 192.132.60.150
Profile Manager
904
Name
Description
Security Level
Timeout
Primary Server
Secondary Server
Joe
Joe Whitehouse
Admin
15
192.168.1.32
192.168.1.32
Wayne
Wayne Arena
Provisioner
15
TeamServer1:192...
TeamServer2:192.168.1.32
Add
Delete...
Refresh
Copy
905
906

FIG. 11A

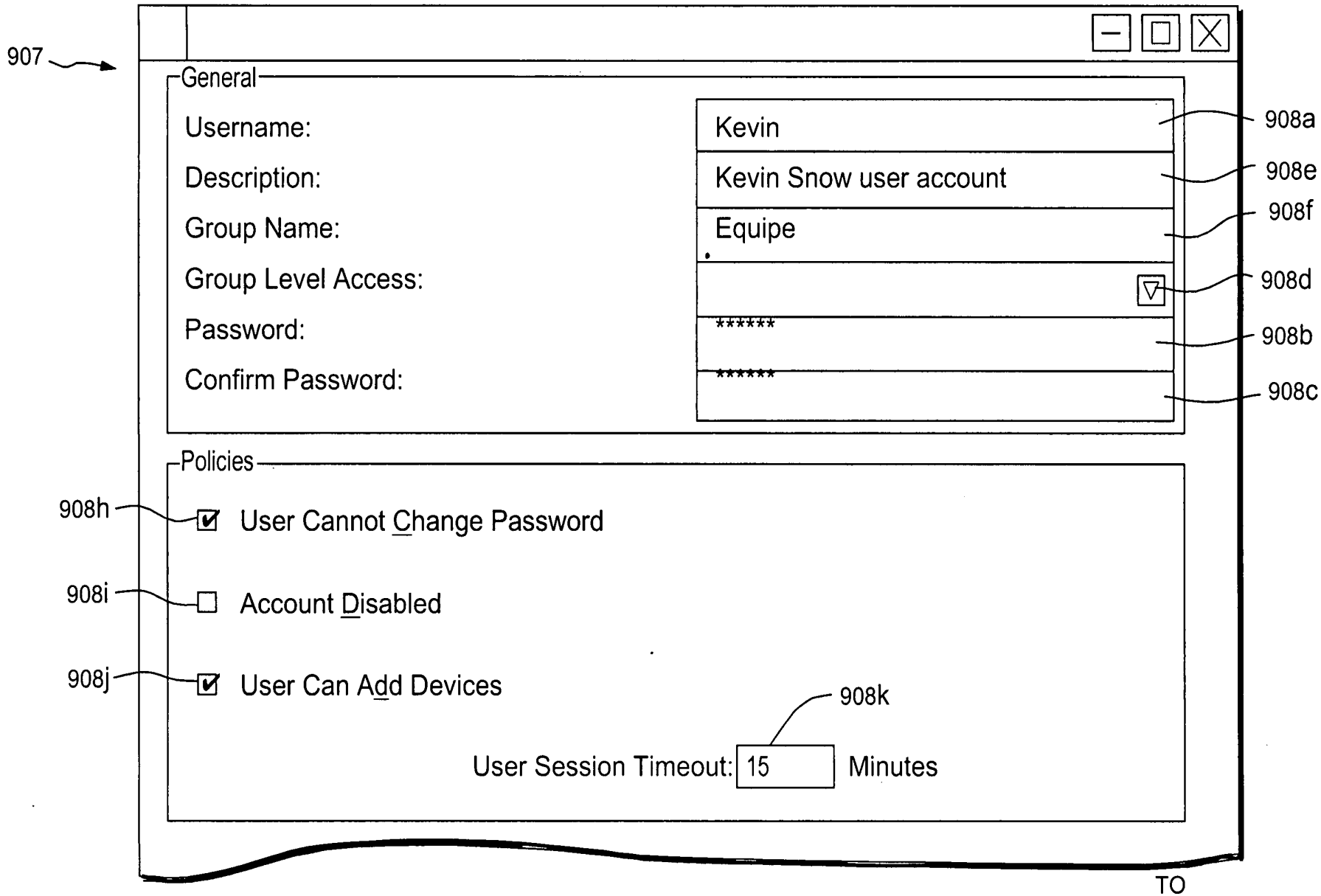

907
General
Username:
Kevin
908a
Description:
Kevin Snow user account
908e
Group Name:
Equipe
908f
Group Level Access:
908d
Password:
******
908b
Confirm Password:
******
908c
Policies
908h
User Cannot Change Password
908i
Account Disabled
908j
User Can Add Devices
908k
User Session Timeout:
15
Minutes
TO
FIG. 11C

FIG. 11B

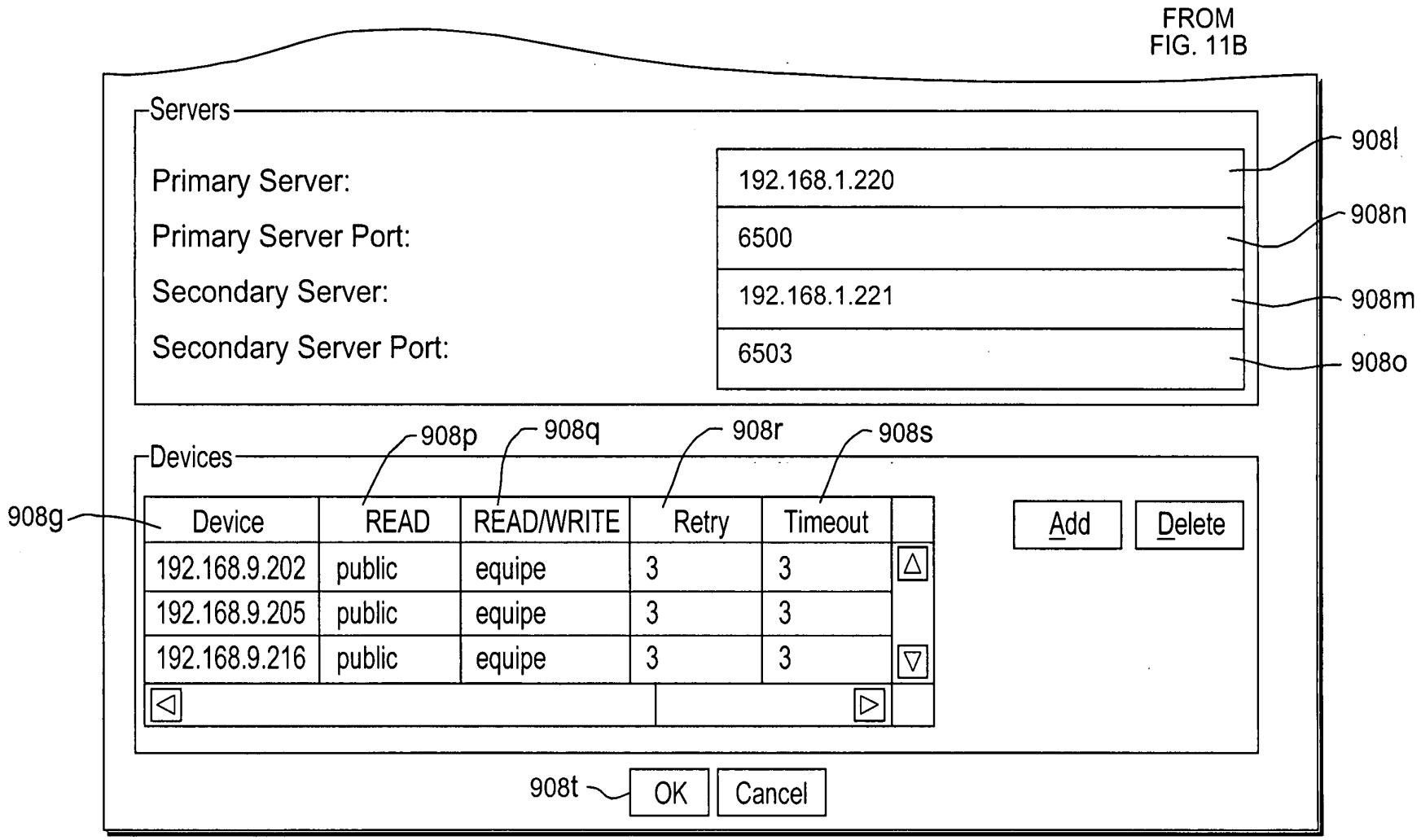

FROM
FIG. 11B
Servers
Primary Server:
192.168.1.220
Primary Server Port:
6500
Secondary Server:
192.168.1.221
Secondary Server Port:
6503
908l
908n
908m
908o
Devices
908p
908q
908r
908s
908g
Device
READ
READ/WRITE
Retry
Timeout
192.168.9.202
public
equipe
3
3
192.168.9.205
public
equipe
3
3
192.168.9.216
public
equipe
3
3
Add
Delete
908t
OK
Cancel

FIG. 11C

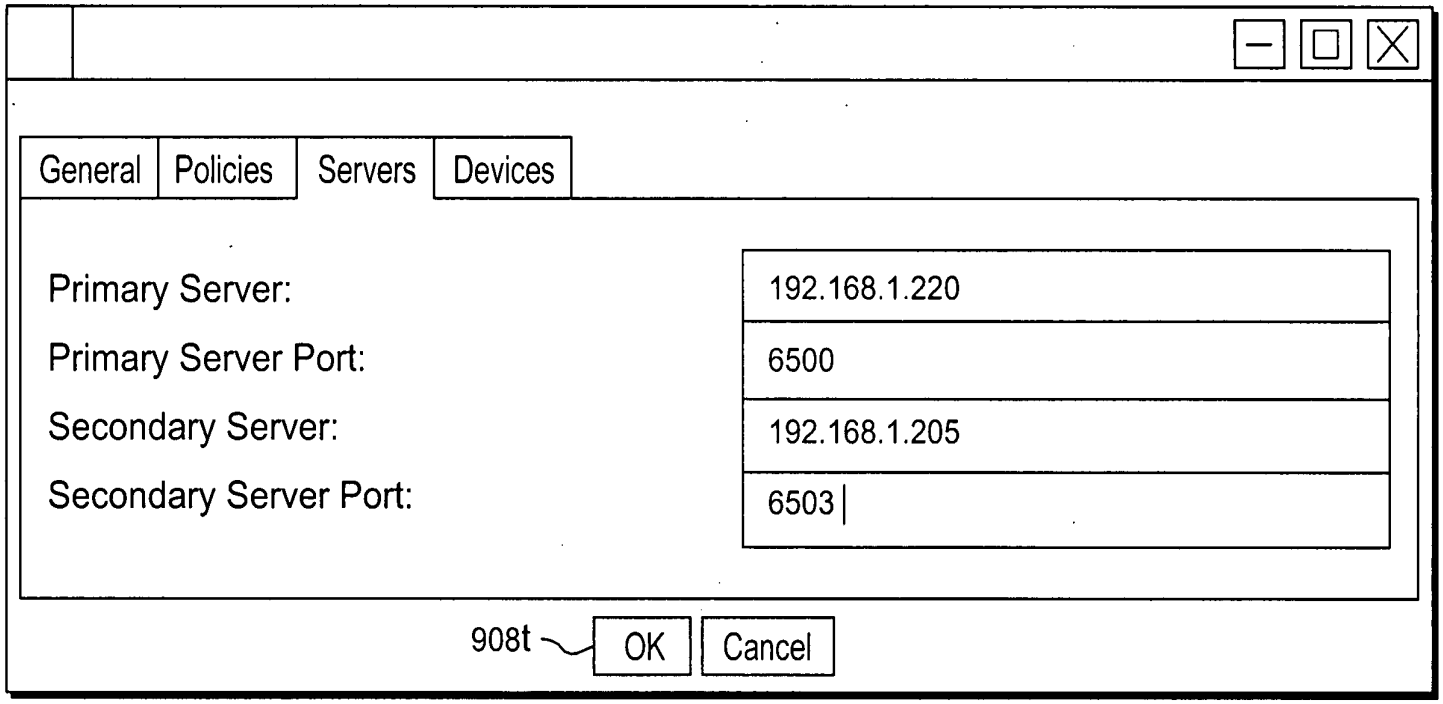

General
Policies
Servers
Devices
Primary Server:
192.168.1.220
Primary Server Port:
6500
Secondary Server:
192.168.1.205
Secondary Server Port:
6503
908t
OK
Cancel

FIG. 11D

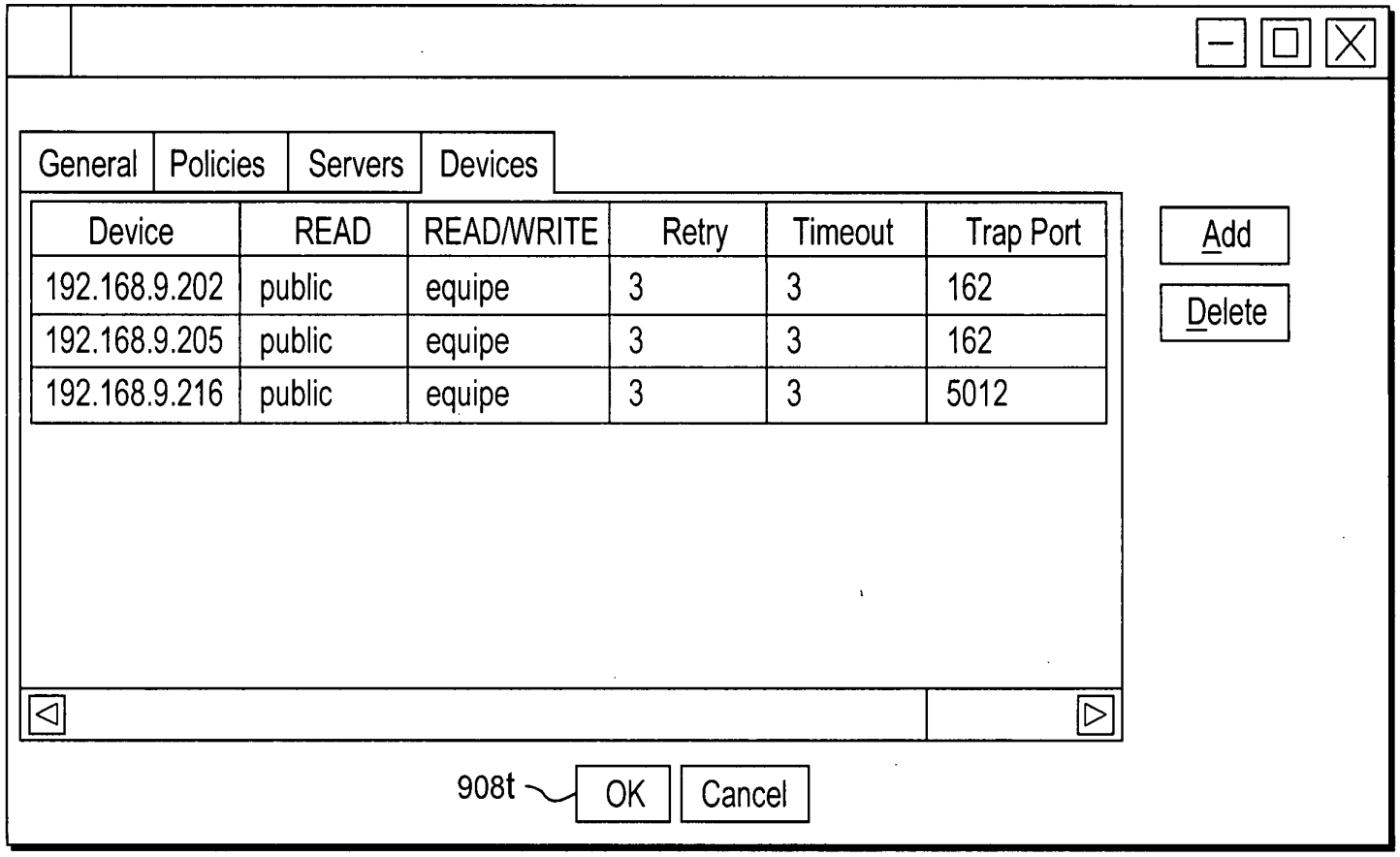

General
Policies
Servers
Devices
Device
READ
READ/WRITE
Retry
Timeout
Trap Port
192.168.9.202
public
equipe
3
3
162
192.168.9.205
public
equipe
3
3
162
192.168.9.216
public
equipe
3
3
5012
Add
Delete
908t
OK
Cancel

FIG. 11E

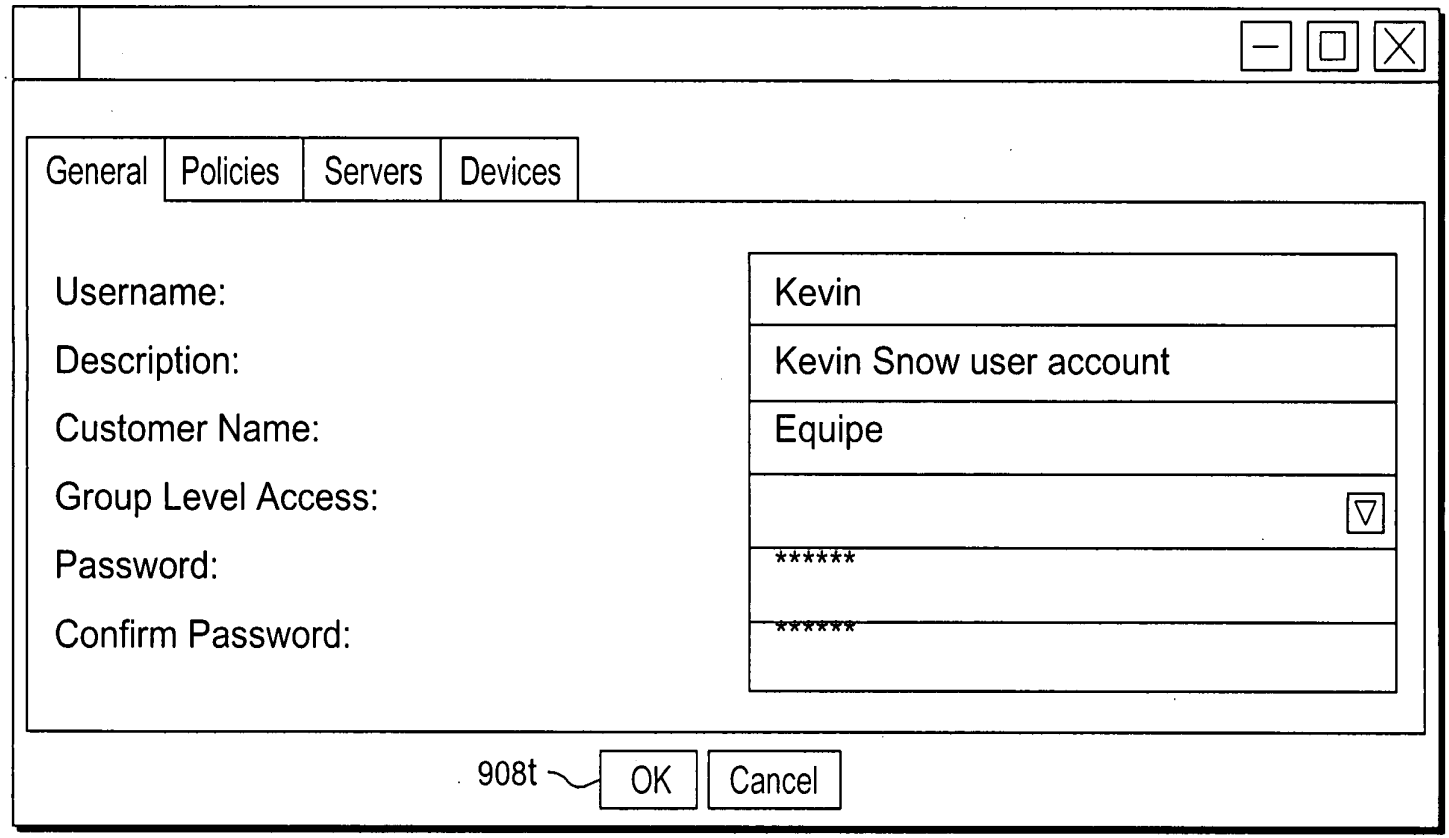

General
Policies
Servers
Devices
Username:
Kevin
Description:
Kevin Snow user account
Customer Name:
Equipe
Group Level Access:
Password:
******
Confirm Password:
******
908t
OK
Cancel

FIG. 11F

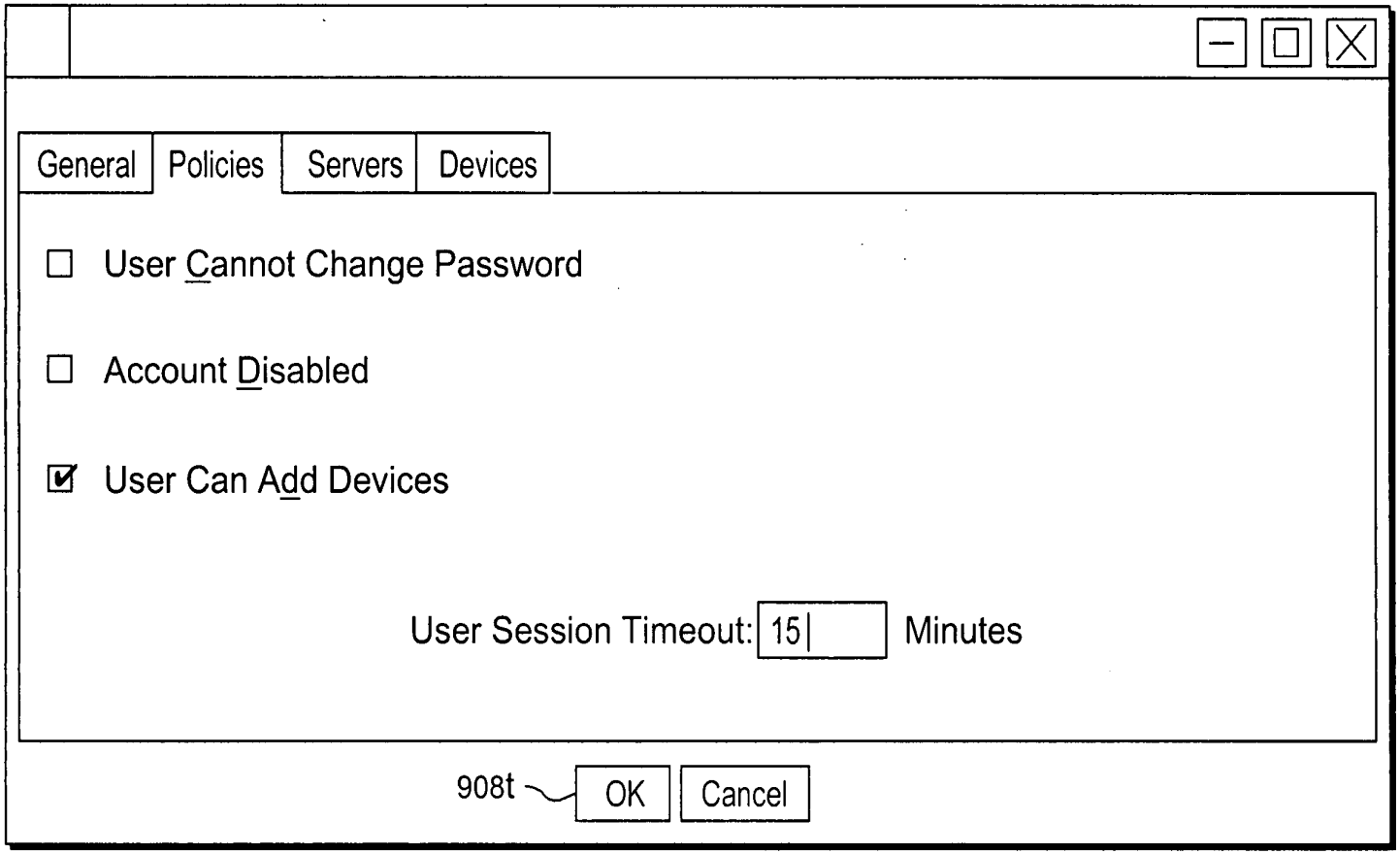

General
Policies
Servers
Devices
User Cannot Change Password
Account Disabled
User Can Add Devices
User Session Timeout: 15 Minutes
908t
OK
Cancel

FIG. 11G

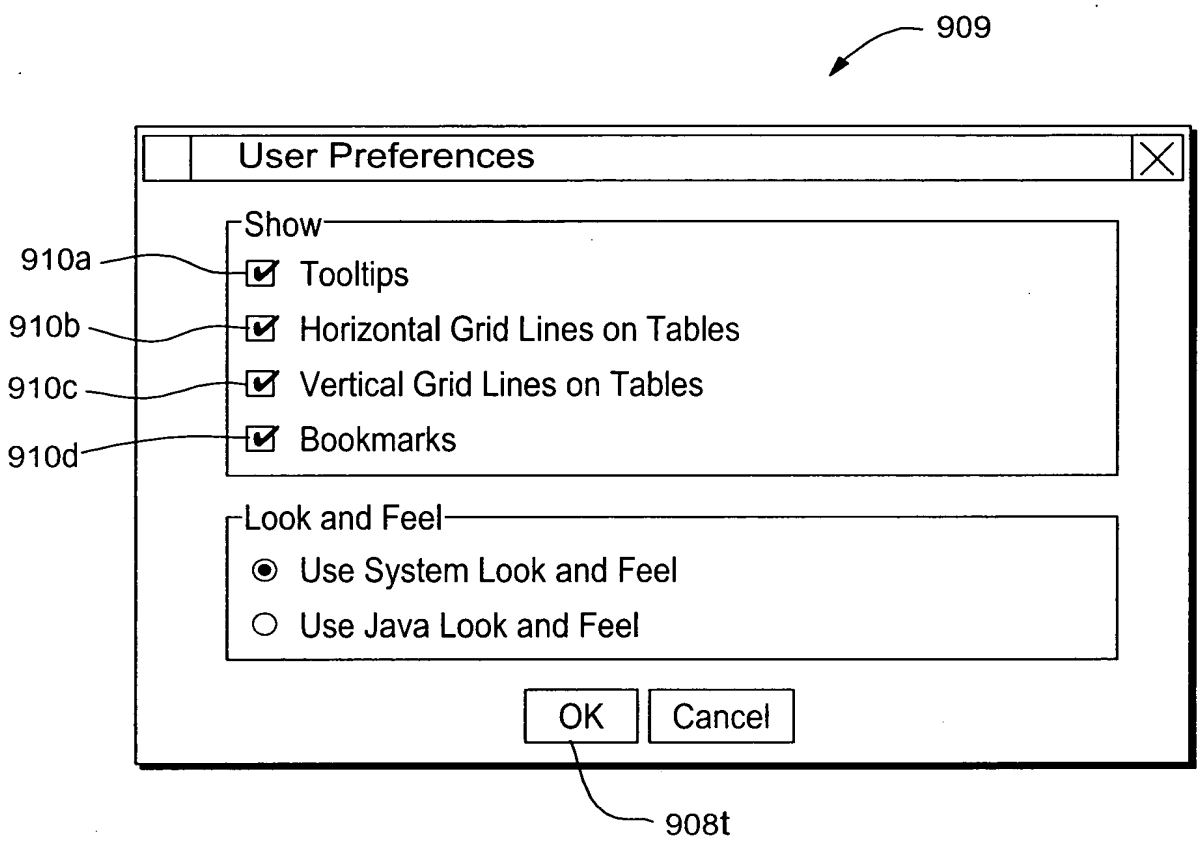

909
User Preferences
Show
910a
Tooltips
910b
Horizontal Grid Lines on Tables
910c
Vertical Grid Lines on Tables
910d
Bookmarks
Look and Feel
Use System Look and Feel
Use Java Look and Feel
OK
Cancel
908t

FIG. 11H

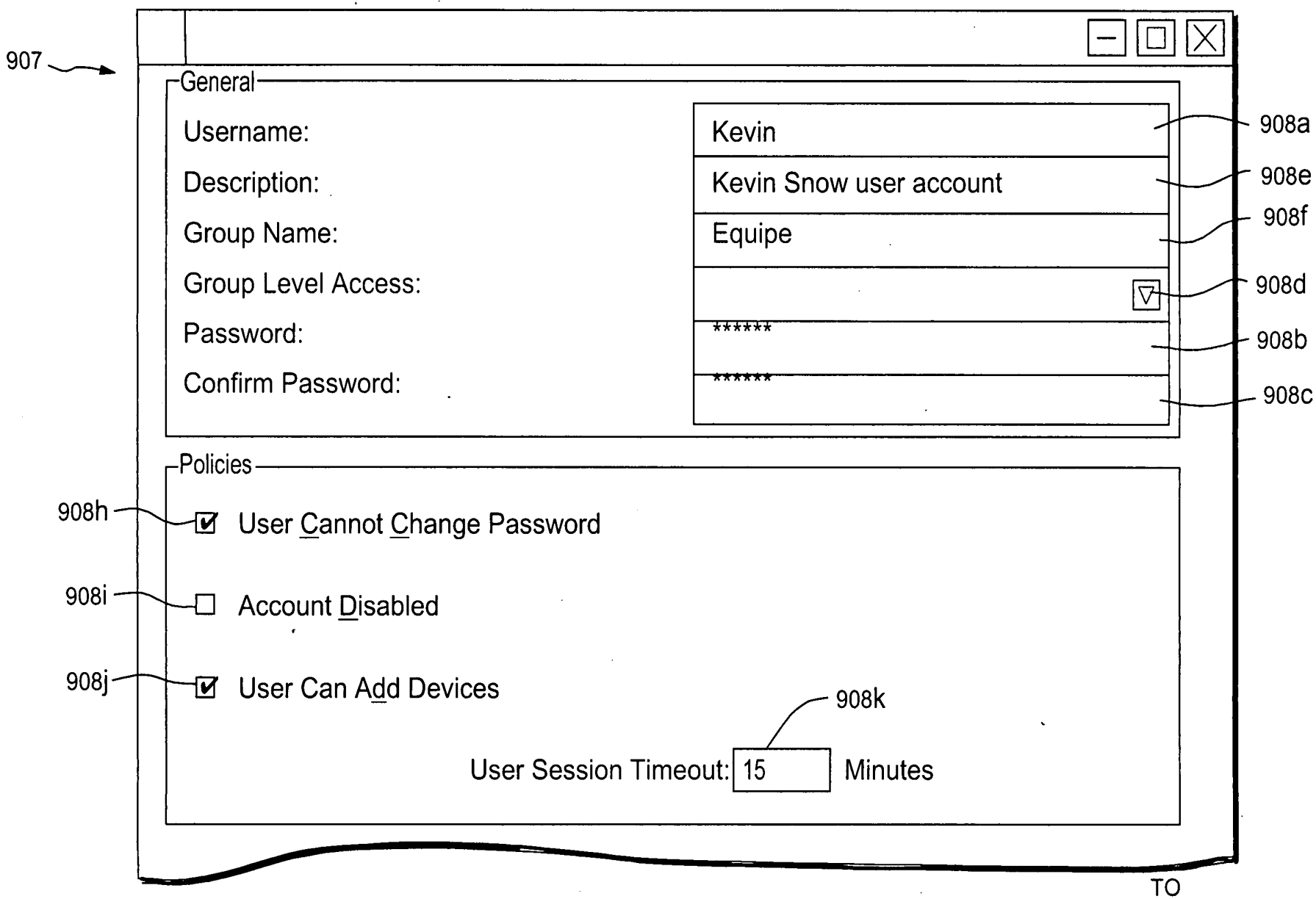

907
General
Username:
Kevin
908a
Description:
Kevin Snow user account
908e
Group Name:
Equipe
908f
Group Level Access:
908d
Password:
******
908b
Confirm Password:
******
908c
Policies
908h
User Cannot Change Password
908i
Account Disabled
908j
User Can Add Devices
908k
User Session Timeout:
15
Minutes
TO
FIG. 11J

FIG. 11I

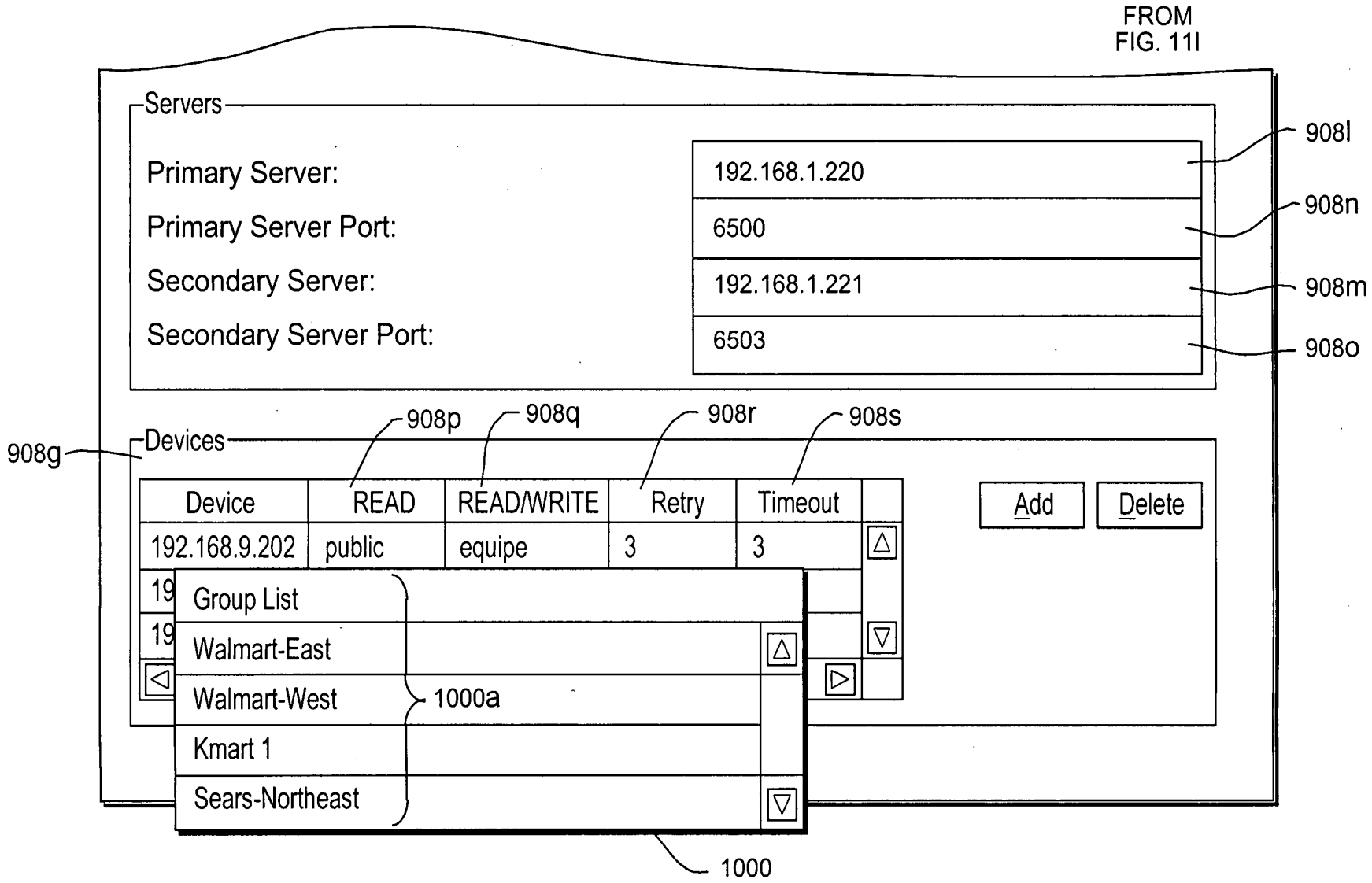

FROM
FIG. 11I
Servers
Primary Server:
192.168.1.220
Primary Server Port:
6500
Secondary Server:
192.168.1.221
Secondary Server Port:
6503
908l
908n
908m
908o
908g
Devices
908p
908q
908r
908s
Device
READ
READ/WRITE
Retry
Timeout
192.168.9.202
public
equipe
3
3
Add
Delete
Group List
Walmart-East
Walmart-West
Kmart 1
Sears-Northeast
1000a
1000

FIG. 11J

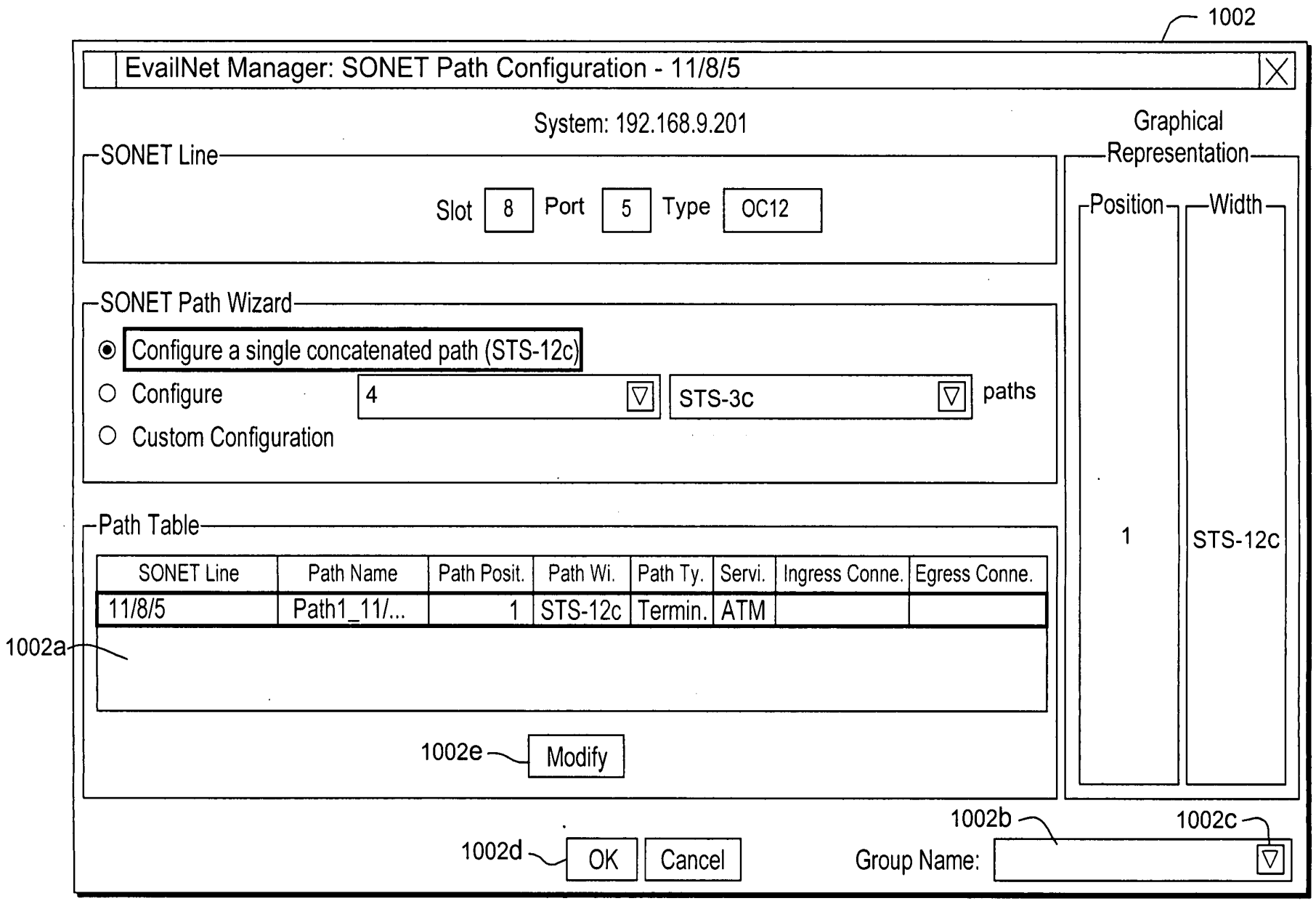

1002
EvailNet Manager: SONET Path Configuration - 11/8/5
System: 192.168.9.201
Graphical Representation
SONET Line
Slot 8 Port 5 Type OC12
Position
Width
SONET Path Wizard
Configure a single concatenated path (STS-12c)
Configure 4 STS-3c paths
Custom Configuration
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/8/5 | Path1_11/... | 1 | STS-12c | Termin. | ATM
1
STS-12c
1002a
1002e
Modify
1002b
1002c
1002d
OK
Cancel
Group Name:

FIG. 11K

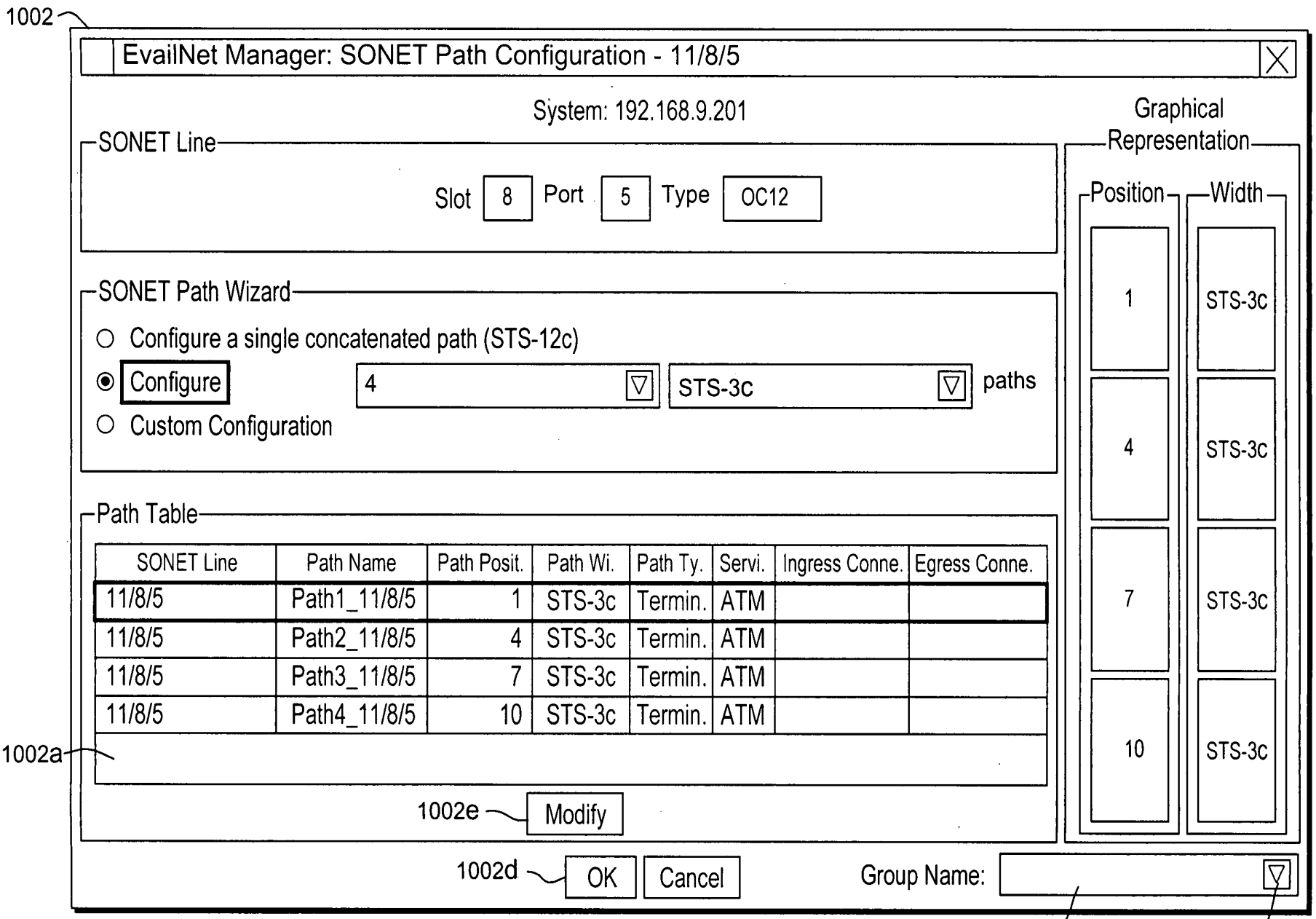

1002
EvailNet Manager: SONET Path Configuration - 11/8/5
System: 192.168.9.201
Graphical Representation
SONET Line
Slot 8 Port 5 Type OC12
Position
Width
1
STS-3c
4
STS-3c
7
STS-3c
10
STS-3c
SONET Path Wizard
Configure a single concatenated path (STS-12c)
Configure
4
STS-3c
paths
Custom Configuration
Path Table
SONET Line | Path Name | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne.
11/8/5 | Path1_11/8/5 | 1 | STS-3c | Termin. | ATM
11/8/5 | Path2_11/8/5 | 4 | STS-3c | Termin. | ATM
11/8/5 | Path3_11/8/5 | 7 | STS-3c | Termin. | ATM
11/8/5 | Path4_11/8/5 | 10 | STS-3c | Termin. | ATM
1002a
1002e
Modify
1002d
OK
Cancel
Group Name:
1002b
1002c

FIG. 11L

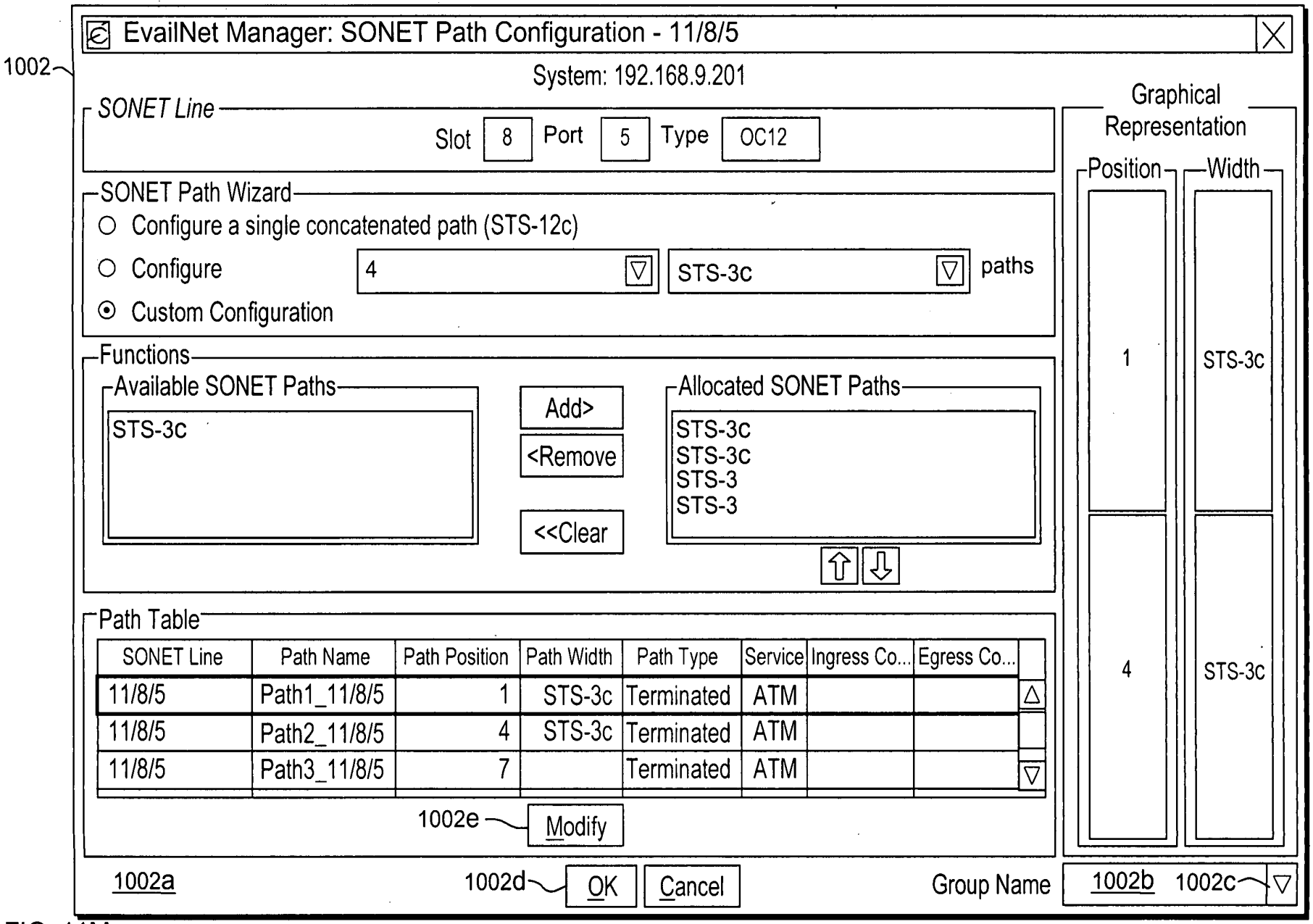

1002
EvailNet Manager: SONET Path Configuration - 11/8/5
System: 192.168.9.201
SONET Line
Slot 8 Port 5 Type OC12
SONET Path Wizard
Configure a single concatenated path (STS-12c)
Configure 4 STS-3c paths
Custom Configuration
Functions
Available SONET Paths
STS-3c
Add>
<Remove
<<Clear
Allocated SONET Paths
STS-3c
STS-3c
STS-3
STS-3
Path Table
SONET Line | Path Name | Path Position | Path Width | Path Type | Service | Ingress Co... | Egress Co...
11/8/5 | Path1_11/8/5 | 1 | STS-3c | Terminated | ATM
11/8/5 | Path2_11/8/5 | 4 | STS-3c | Terminated | ATM
11/8/5 | Path3_11/8/5 | 7 | | Terminated | ATM
1002e
Modify
1002a
1002d
OK
Cancel
Group Name
1002b
1002c
Graphical Representation
Position
Width
1
STS-3c
4
STS-3c

FIG. 11M

MANAGED RESOURCE GROUP TABLE 1008

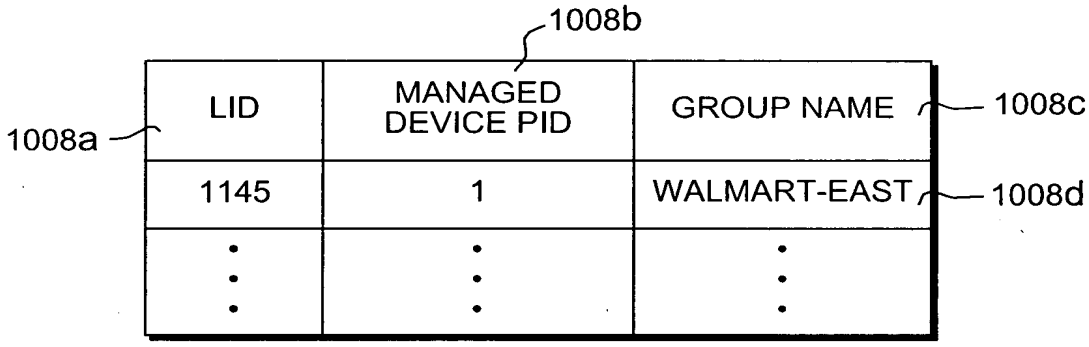


FIG. 11N

MANAGED RESOURCE TABLE 1007

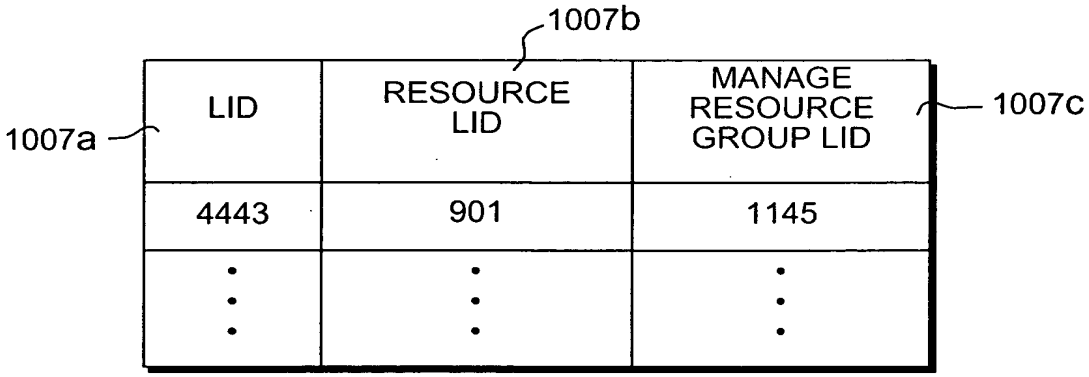


FIG. 11O

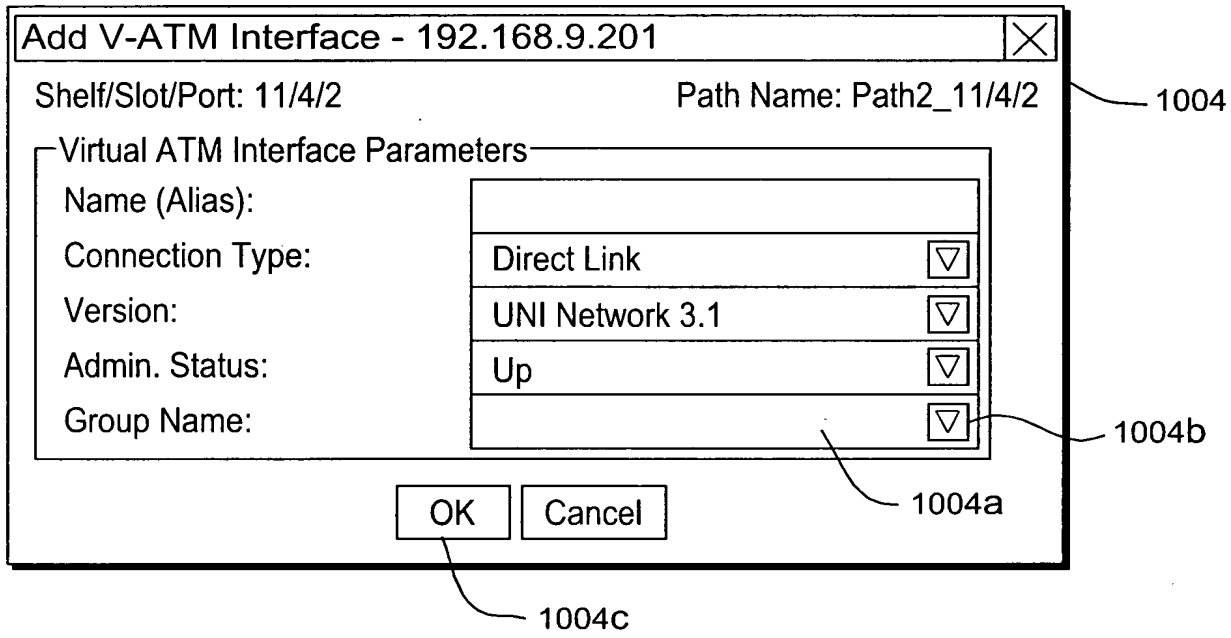

Add V-ATM Interface - 192.168.9.201
Shelf/Slot/Port: 11/4/2
Path Name: Path2_11/4/2
1004
Virtual ATM Interface Parameters
Name (Alias):
Connection Type:
Direct Link
Version:
UNI Network 3.1
Admin. Status:
Up
Group Name:
1004b
1004a
OK
Cancel
1004c

FIG. 11P

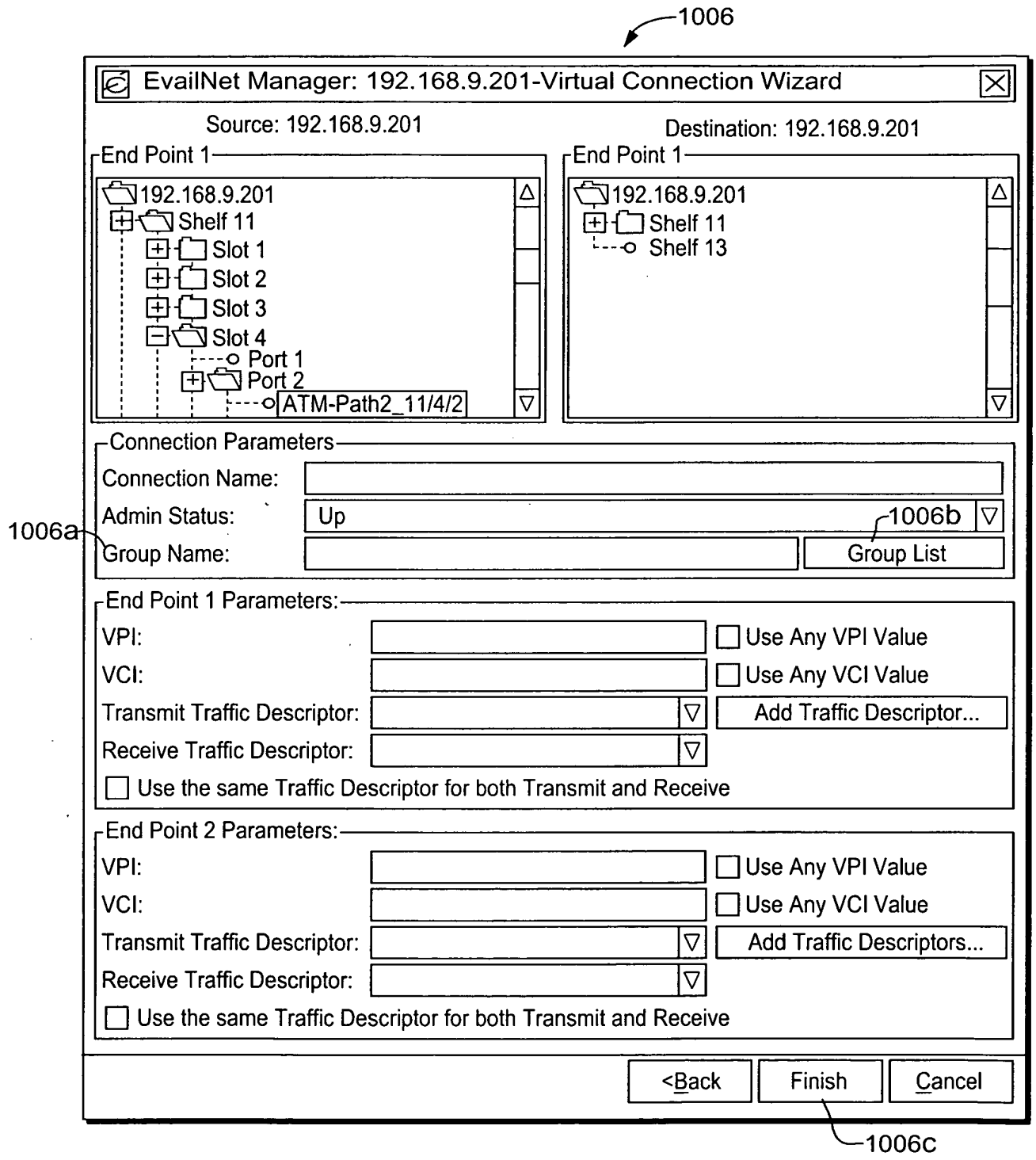

1006
EvailNet Manager: 192.168.9.201-Virtual Connection Wizard
Source: 192.168.9.201
Destination: 192.168.9.201
End Point 1
192.168.9.201
Shelf 11
Slot 1
Slot 2
Slot 3
Slot 4
Port 1
Port 2
ATM-Path2_11/4/2
End Point 1
192.168.9.201
Shelf 11
Shelf 13
Connection Parameters
Connection Name:
Admin Status:
Up
1006b
1006a
Group Name:
Group List
End Point 1 Parameters:
VPI:
Use Any VPI Value
VCI:
Use Any VCI Value
Transmit Traffic Descriptor:
Add Traffic Descriptor...
Receive Traffic Descriptor:
Use the same Traffic Descriptor for both Transmit and Receive
End Point 2 Parameters:
VPI:
Use Any VPI Value
VCI:
Use Any VCI Value
Transmit Traffic Descriptor:
Add Traffic Descriptors...
Receive Traffic Descriptor:
Use the same Traffic Descriptor for both Transmit and Receive
<Back
Finish
Cancel
1006c

FIG. 11Q

USER TABLE 1010

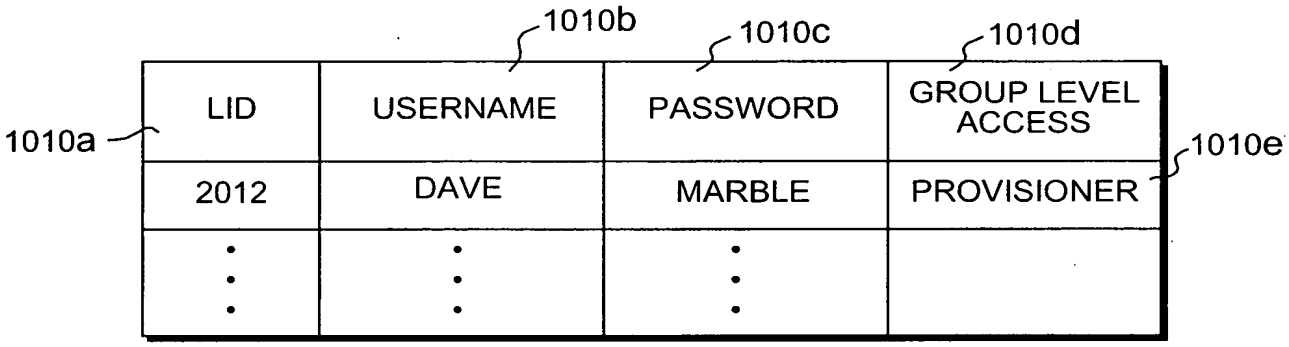


FIG. 11R

USER MANAGED DEVICE TABLE 1012

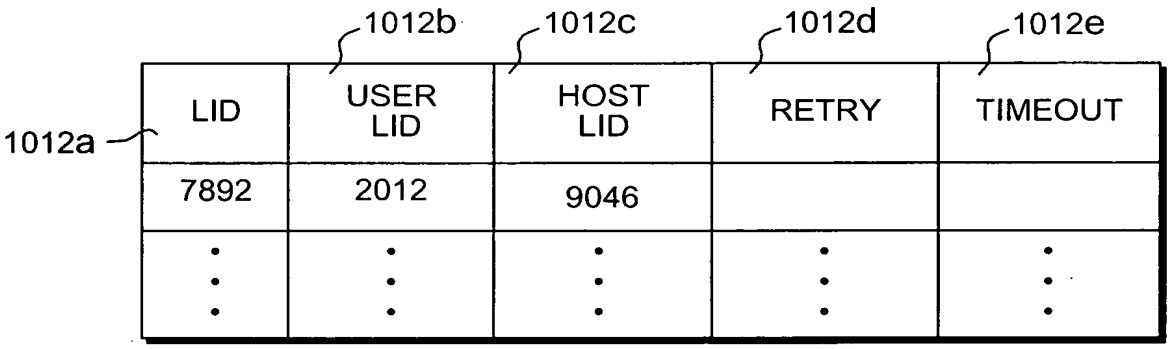


FIG. 11S

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID (1014a)	HOST ADDRESS (1014b)	PORT ADDRESS (1014e)	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD (1014d)	VIEWER PASSWORD
9046 (1014c)	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•

FIG. 11T

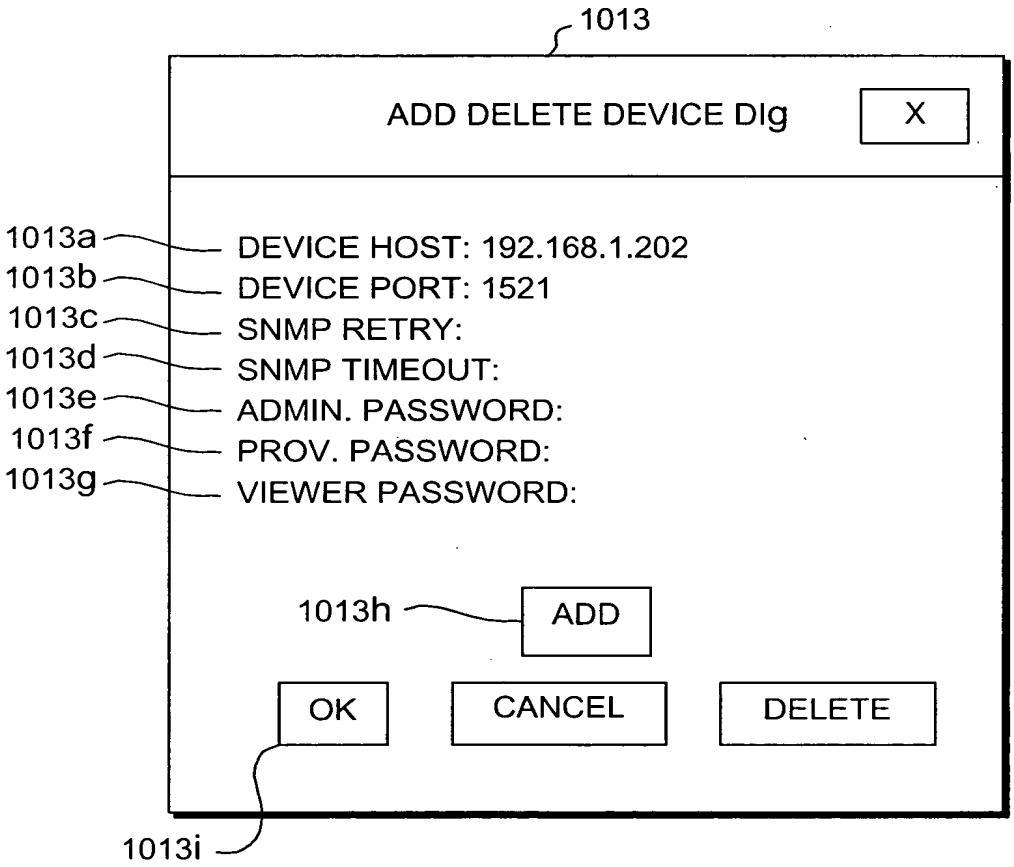

1013
ADD DELETE DEVICE Dlg
X
1013a
DEVICE HOST: 192.168.1.202
1013b
DEVICE PORT: 1521
1013c
SNMP RETRY:
1013d
SNMP TIMEOUT:
1013e
ADMIN. PASSWORD:
1013f
PROV. PASSWORD:
1013g
VIEWER PASSWORD:
1013h
ADD
OK
CANCEL
DELETE
1013i

FIG. 11U

USER RESOURCE GROUP MAP TABLE 1016

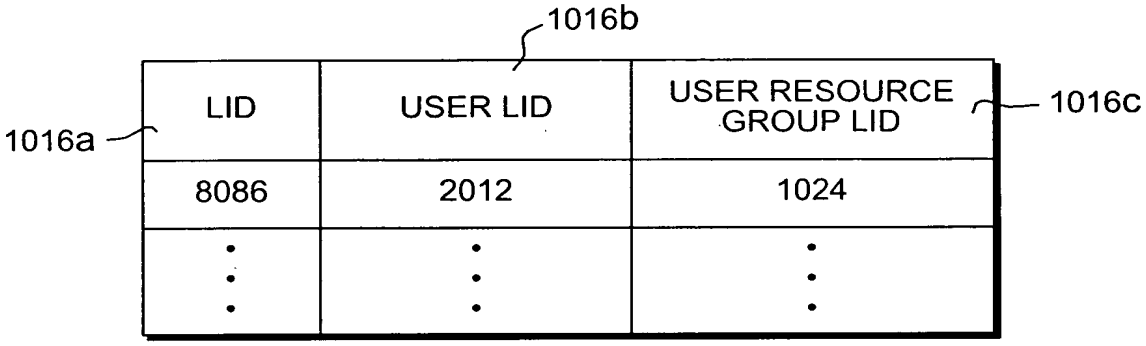


FIG. 11V

USER RESOURCE GROUP TABLE 1018

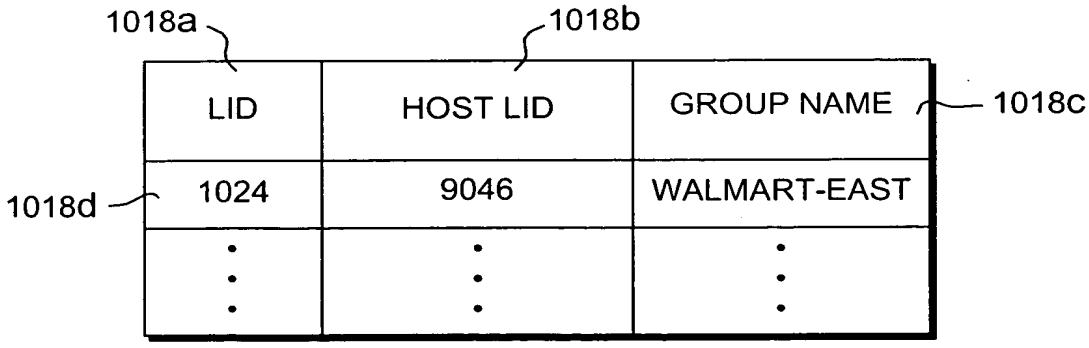


FIG. 11W

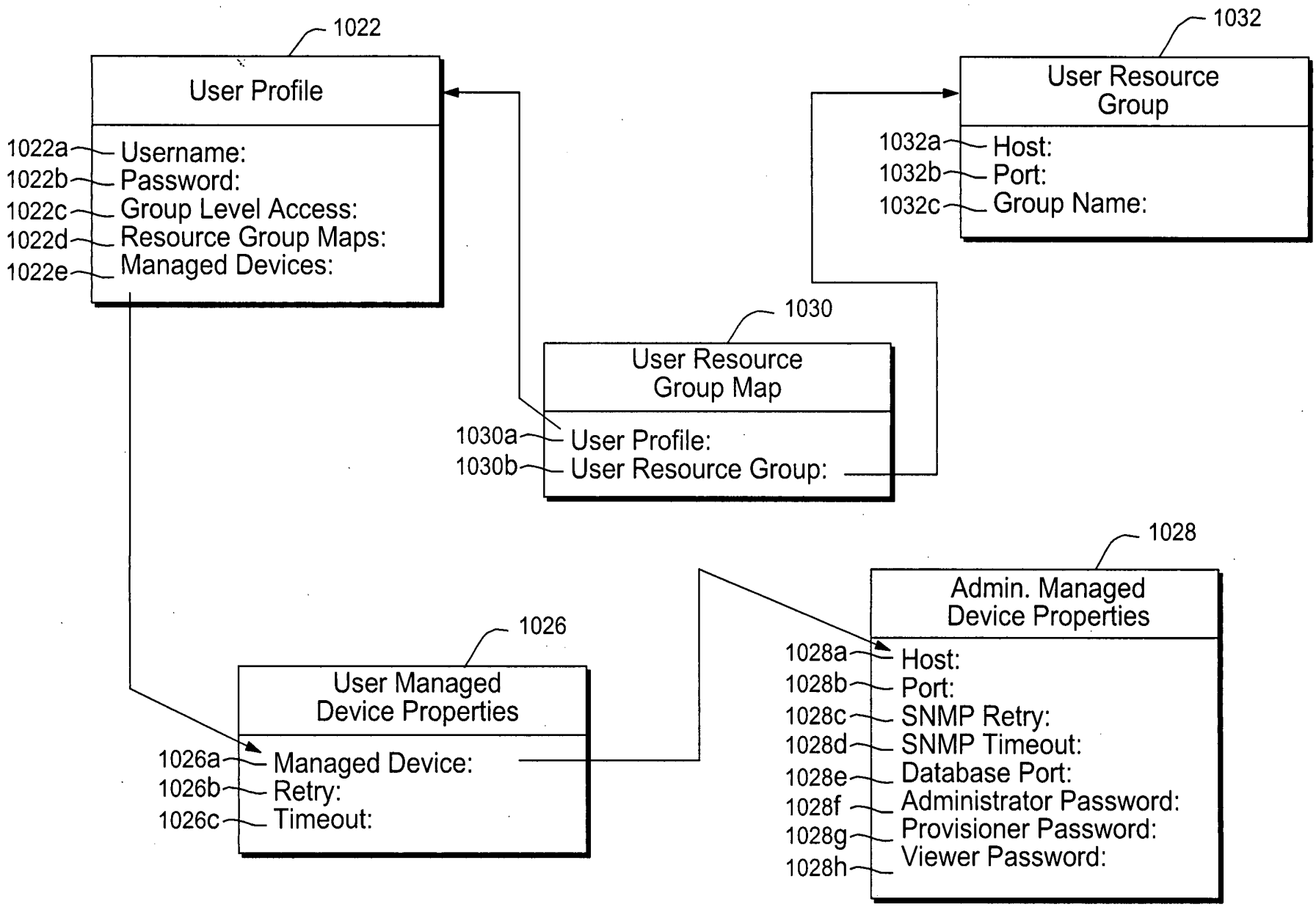

1022
User Profile
1022a Username:
1022b Password:
1022c Group Level Access:
1022d Resource Group Maps:
1022e Managed Devices:
1032
User Resource Group
1032a Host:
1032b Port:
1032c Group Name:
1030
User Resource Group Map
1030a User Profile:
1030b User Resource Group:
1028
Admin. Managed Device Properties
1028a Host:
1028b Port:
1028c SNMP Retry:
1028d SNMP Timeout:
1028e Database Port:
1028f Administrator Password:
1028g Provisioner Password:
1028h Viewer Password:
1026
User Managed Device Properties
1026a Managed Device:
1026b Retry:
1026c Timeout:

FIG. 11X

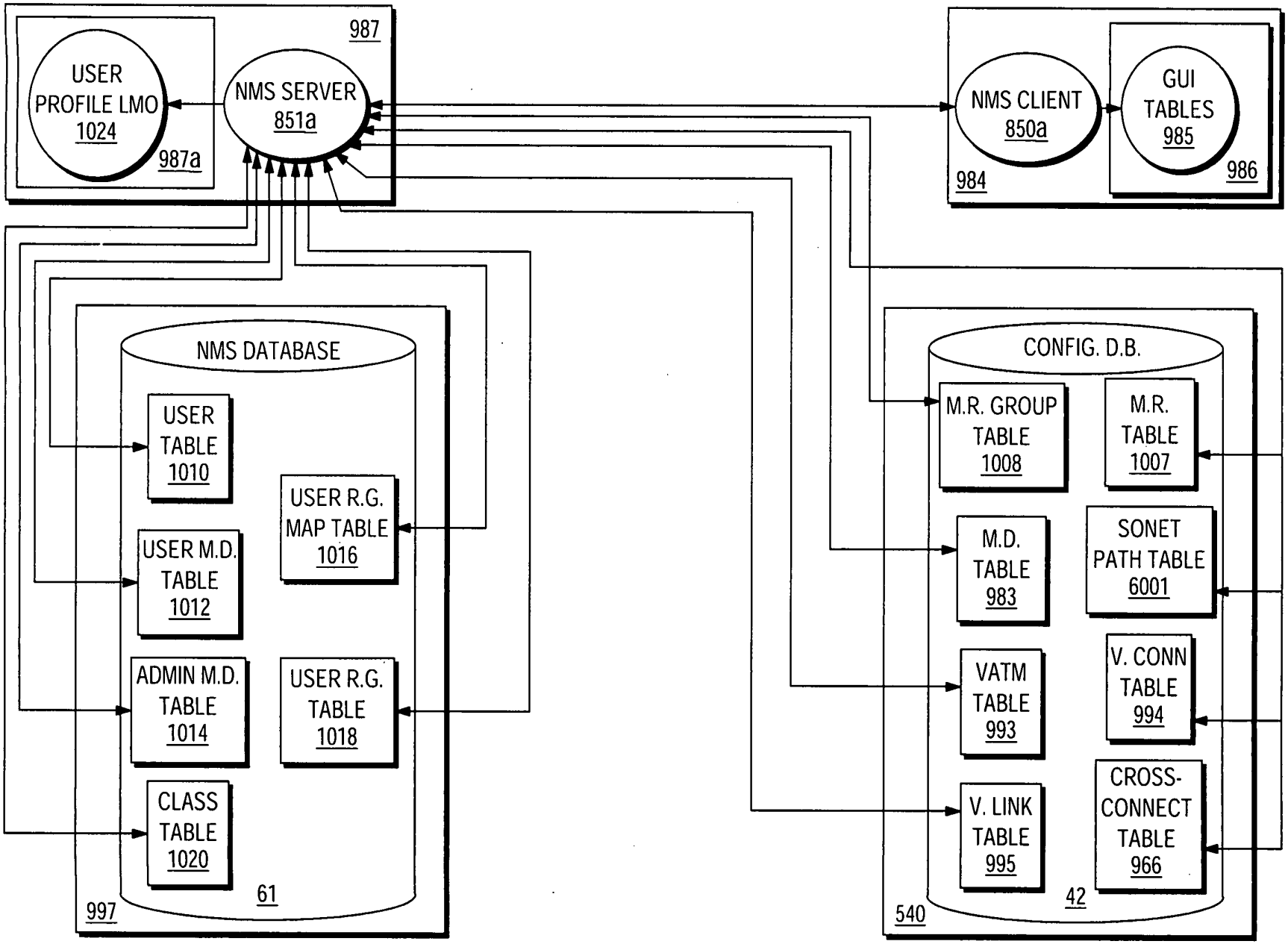

987
USER PROFILE LMO 1024
987a
NMS SERVER 851a
NMS CLIENT 850a
GUI TABLES 985
984
986
NMS DATABASE
USER TABLE 1010
USER R.G. MAP TABLE 1016
USER M.D. TABLE 1012
ADMIN M.D. TABLE 1014
USER R.G. TABLE 1018
CLASS TABLE 1020
61
997
CONFIG. D.B.
M.R. GROUP TABLE 1008
M.R. TABLE 1007
M.D. TABLE 983
SONET PATH TABLE 6001
VATM TABLE 993
V. CONN TABLE 994
V. LINK TABLE 995
CROSS-CONNECT TABLE 966
42
540

FIG. 11Y

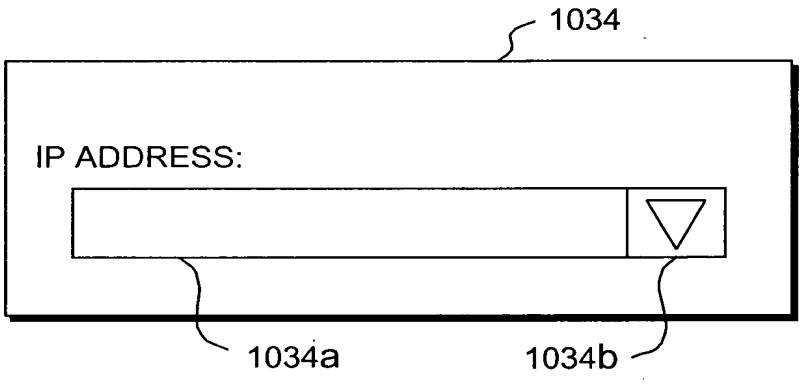


FIG. 11Z

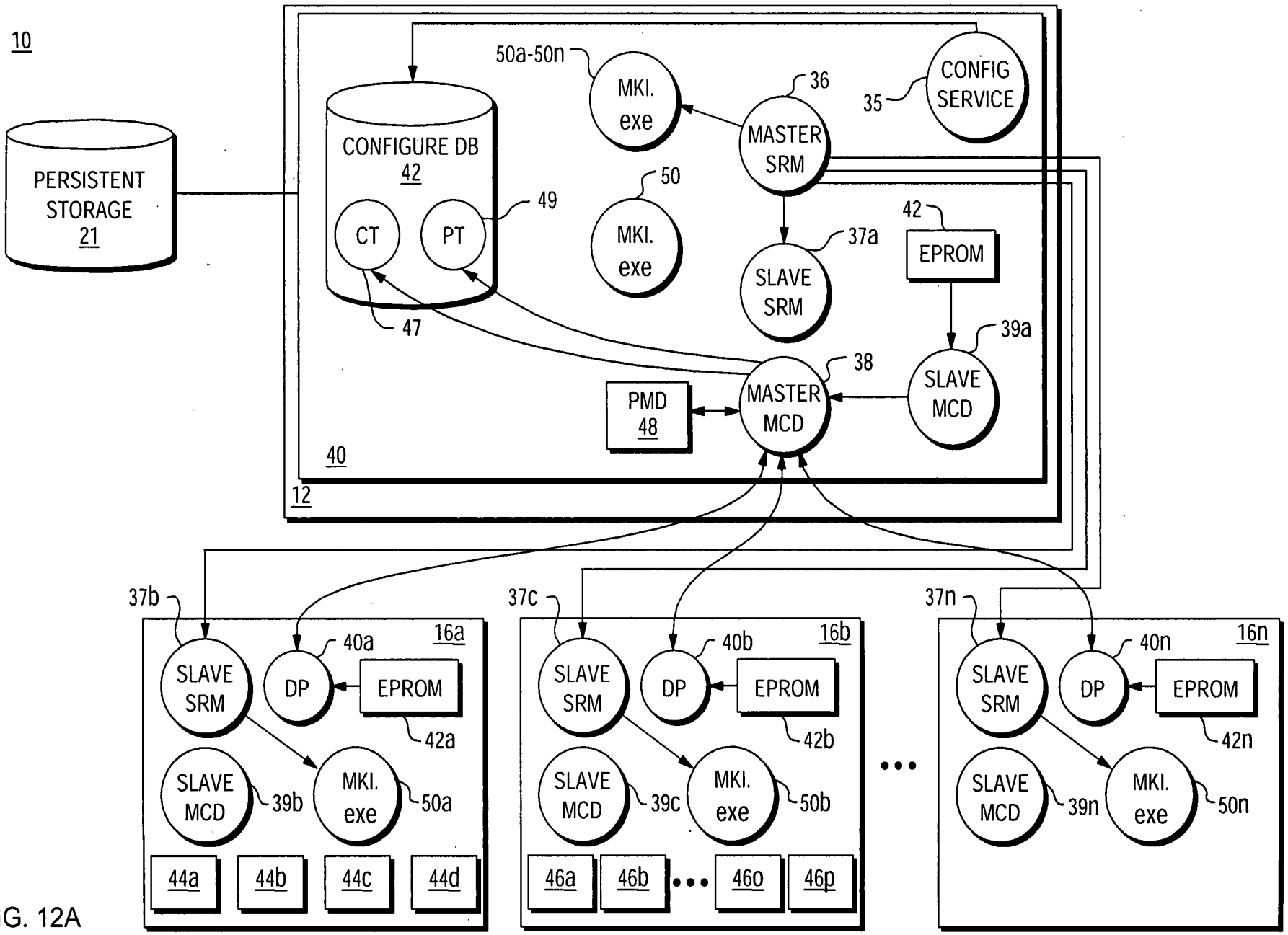

10
PERSISTENT STORAGE 21
CONFIGURE DB 42
CT
PT
49
47
50a-50n
MKI. exe
50
MKI. exe
36
MASTER SRM
35
CONFIG SERVICE
37a
SLAVE SRM
42
EPROM
39a
SLAVE MCD
38
MASTER MCD
PMD 48
40
12
37b
16a
SLAVE SRM
DP
40a
EPROM
42a
SLAVE MCD
39b
MKI. exe
50a
44a
44b
44c
44d
37c
16b
SLAVE SRM
DP
40b
EPROM
42b
SLAVE MCD
39c
MKI. exe
50b
46a
46b
46o
46p
37n
16n
SLAVE SRM
DP
40n
EPROM
42n
SLAVE MCD
39n
MKI. exe
50n

FIG. 12A

CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	OO620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

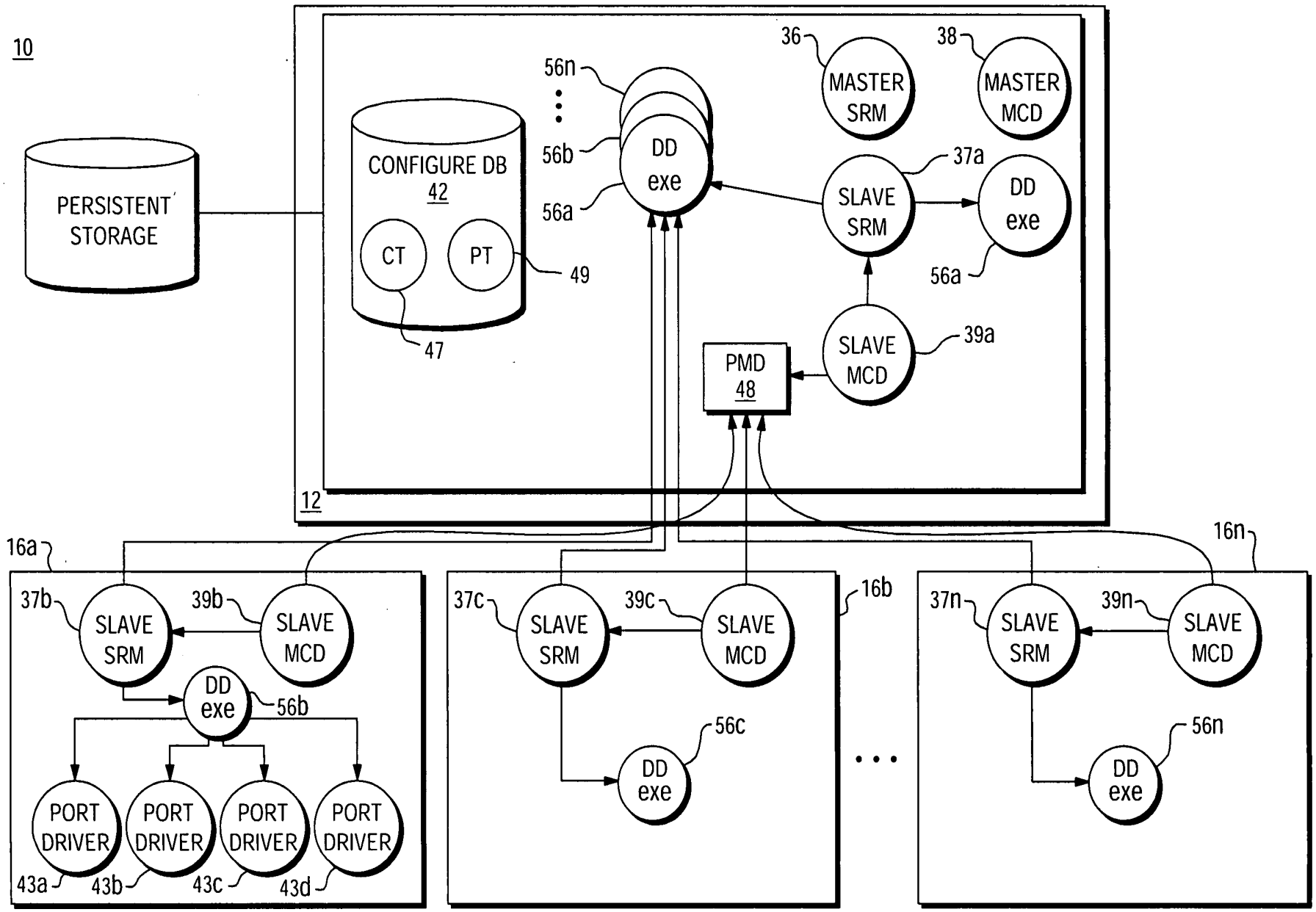

10
PERSISTENT STORAGE
CONFIGURE DB
42
CT
PT
49
47
56n
56b
56a
DD exe
36
MASTER SRM
38
MASTER MCD
37a
SLAVE SRM
DD exe
56a
SLAVE MCD
39a
PMD
48
12
16a
37b
SLAVE SRM
39b
SLAVE MCD
DD exe
56b
PORT DRIVER
PORT DRIVER
PORT DRIVER
PORT DRIVER
43a
43b
43c
43d
16b
37c
SLAVE SRM
39c
SLAVE MCD
56c
DD exe
16n
37n
SLAVE SRM
39n
SLAVE MCD
56n
DD exe

FIG. 13A

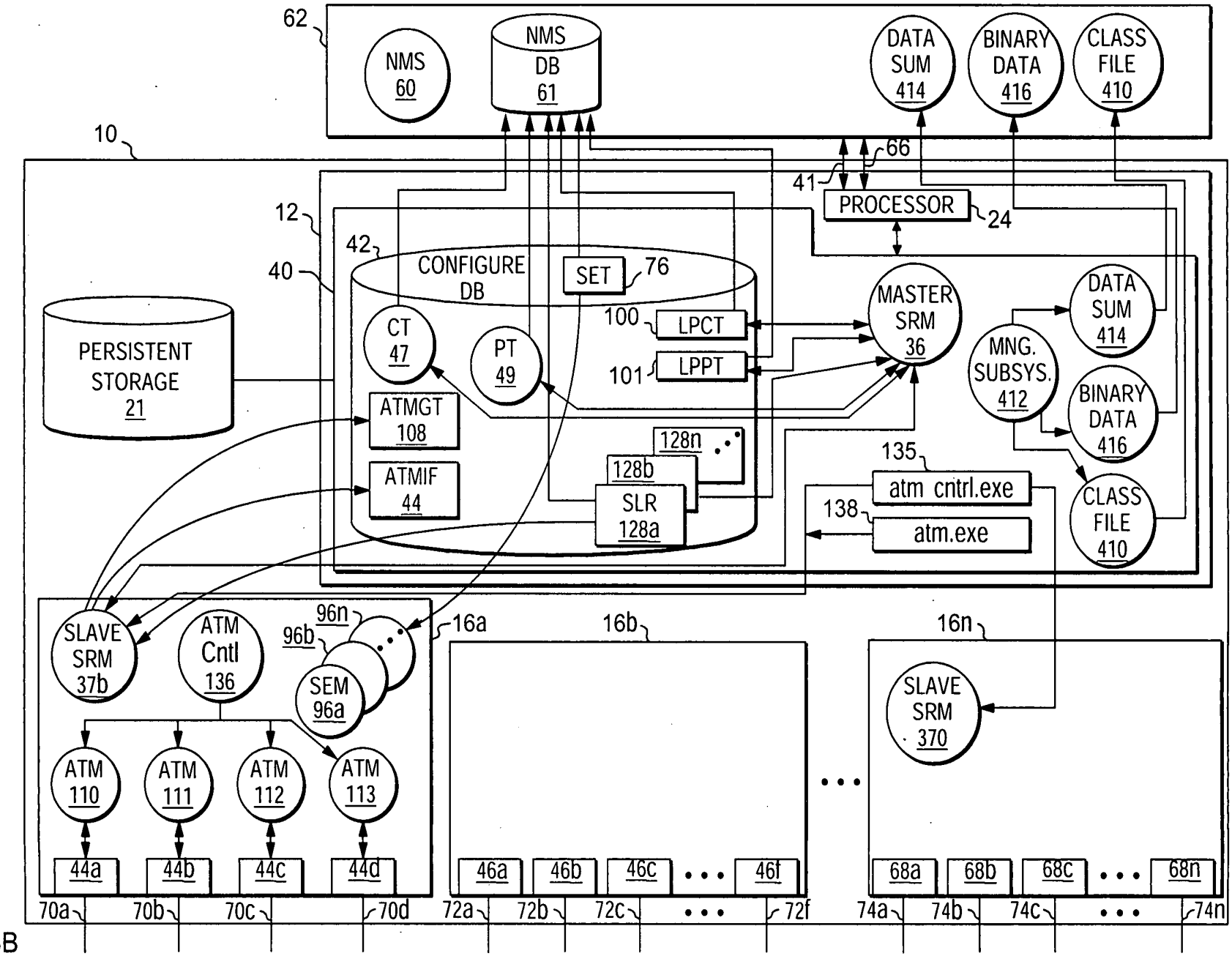

62
NMS 60
NMS DB 61
DATA SUM 414
BINARY DATA 416
CLASS FILE 410
10
66
41
PROCESSOR
24
12
42
40
CONFIGURE DB
SET
76
PERSISTENT STORAGE 21
CT 47
PT 49
100
LPCT
101
LPPT
MASTER SRM 36
DATA SUM 414
MNG. SUBSYS. 412
BINARY DATA 416
ATMGT 108
ATMIF 44
128n
128b
SLR 128a
135
atm cntrl.exe
138
atm.exe
CLASS FILE 410
SLAVE SRM 37b
ATM Cntl 136
96n
96b
SEM 96a
16a
16b
16n
SLAVE SRM 370
ATM 110
ATM 111
ATM 112
ATM 113
44a
44b
44c
44d
46a
46b
46c
46f
68a
68b
68c
68n
70a
70b
70c
70d
72a
72b
72c
72f
74a
74b
74c
74n

FIG. 13B

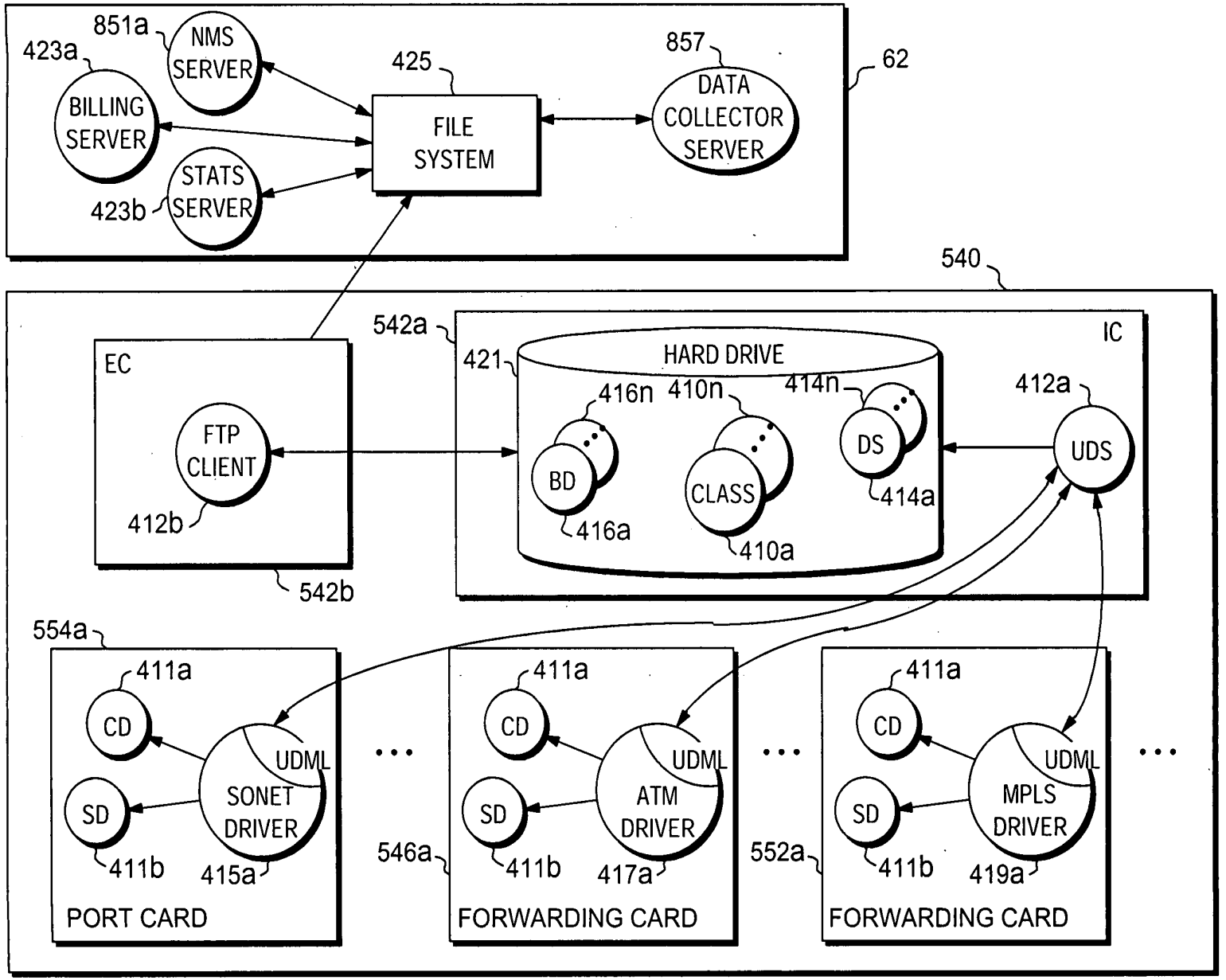

851a
NMS SERVER
423a
BILLING SERVER
423b
STATS SERVER
425
FILE SYSTEM
857
DATA COLLECTOR SERVER
62
540
542a
IC
EC
FTP CLIENT
412b
542b
421
HARD DRIVE
416n
410n
414n
BD
CLASS
DS
416a
410a
414a
412a
UDS
554a
411a
CD
UDML
SD
SONET DRIVER
411b
415a
PORT CARD
546a
ATM DRIVER
417a
FORWARDING CARD
552a
MPLS DRIVER
419a
FORWARDING CARD

FIG. 13C

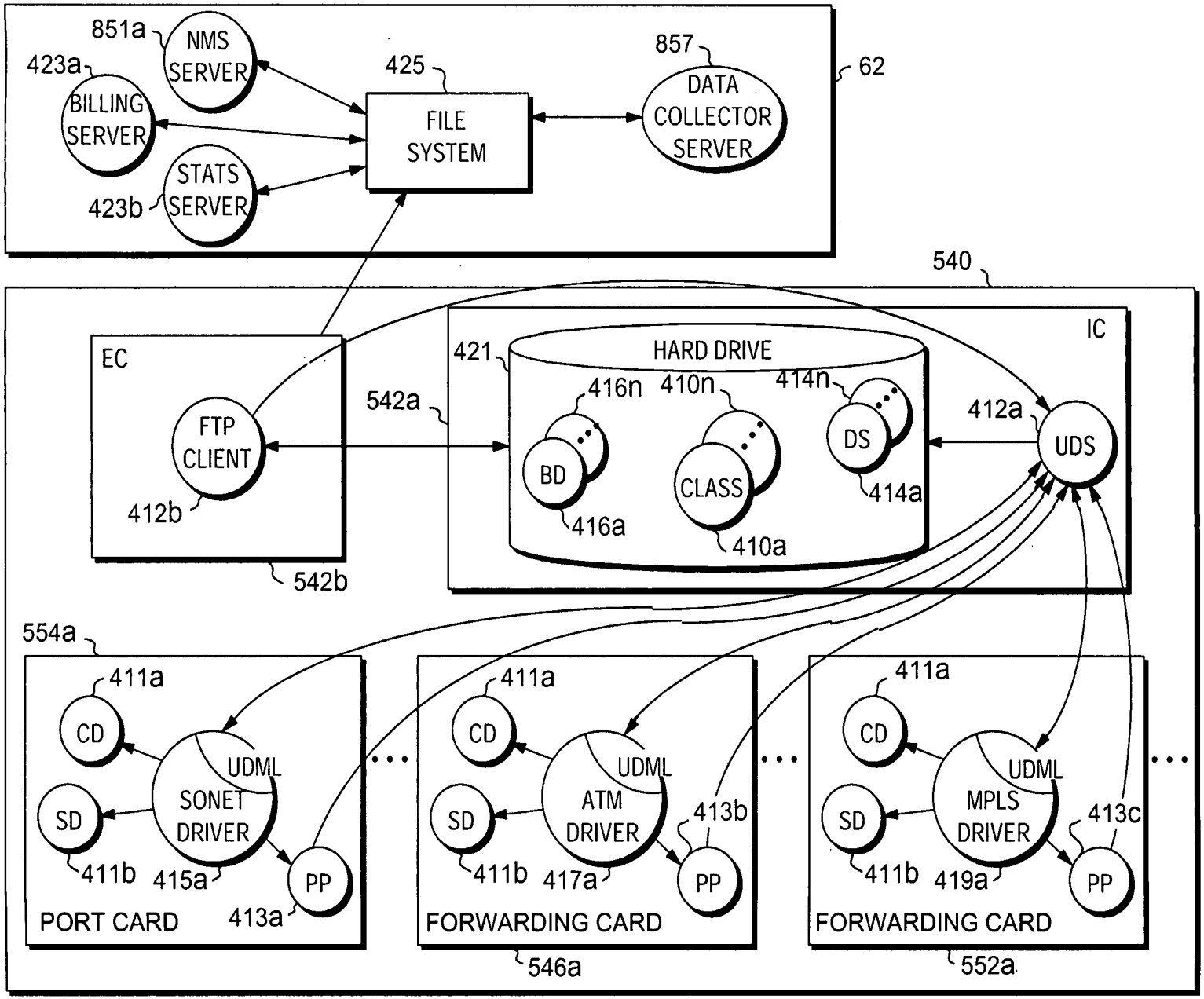

851a
NMS SERVER
423a
BILLING SERVER
423b
STATS SERVER
425
FILE SYSTEM
857
DATA COLLECTOR SERVER
62
540
EC
FTP CLIENT
412b
542b
542a
IC
421
HARD DRIVE
416n
410n
414n
BD
416a
CLASS
410a
DS
414a
412a
UDS
554a
411a
CD
SD
UDML
SONET DRIVER
411b
415a
PP
413a
PORT CARD
ATM DRIVER
417a
413b
FORWARDING CARD
546a
MPLS DRIVER
419a
413c
552a

FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	•	•
	•	•
	•	•

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	•	•	•
	•	•	•
	•	•	•

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	•	•	•
	•	•	•
	•	•	•

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
•	•	•	•
•	•	•	•
•	•	•	•
12	3	10	
•	•	•	•
•	•	•	•
•	•	•	•

170

FIG. 14E

SOFTWARE LOAD RECORD 128a

130 CONTROL SHIM	LID 132
134 atm-cntl.exe	30

FIG. 14F

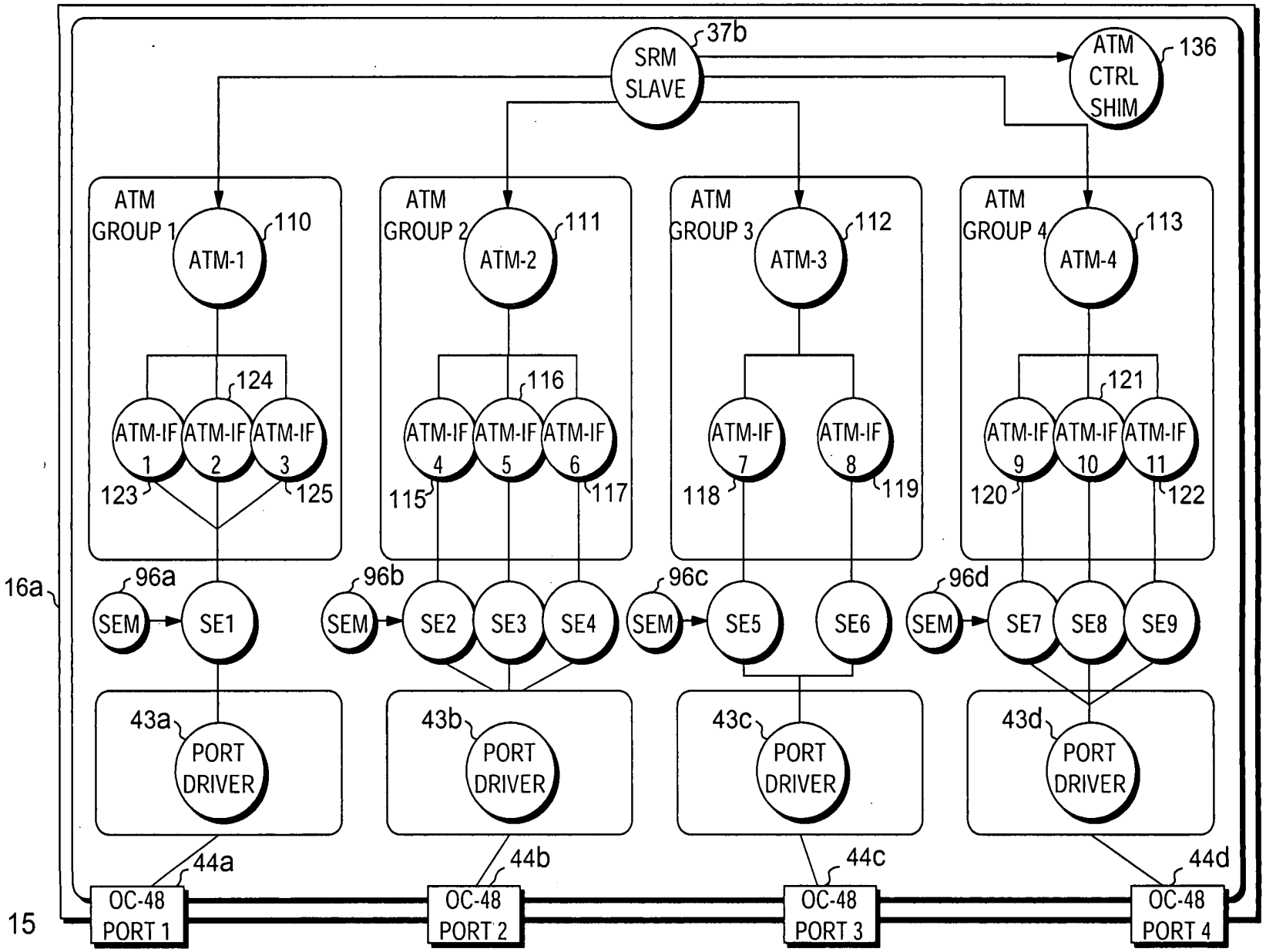

SRM SLAVE
37b
ATM CTRL SHIM
136
ATM GROUP 1
ATM-1
110
ATM GROUP 2
ATM-2
111
ATM GROUP 3
ATM-3
112
ATM GROUP 4
ATM-4
113
124
116
121
ATM-IF 1
ATM-IF 2
ATM-IF 3
ATM-IF 4
ATM-IF 5
ATM-IF 6
ATM-IF 7
ATM-IF 8
ATM-IF 9
ATM-IF 10
ATM-IF 11
123
125
115
117
118
119
120
122
16a
96a
96b
96c
96d
SEM
SE1
SE2
SE3
SE4
SE5
SE6
SE7
SE8
SE9
43a
43b
43c
43d
PORT DRIVER
44a
44b
44c
44d
OC-48 PORT 1
OC-48 PORT 2
OC-48 PORT 3
OC-48 PORT 4

FIG. 15

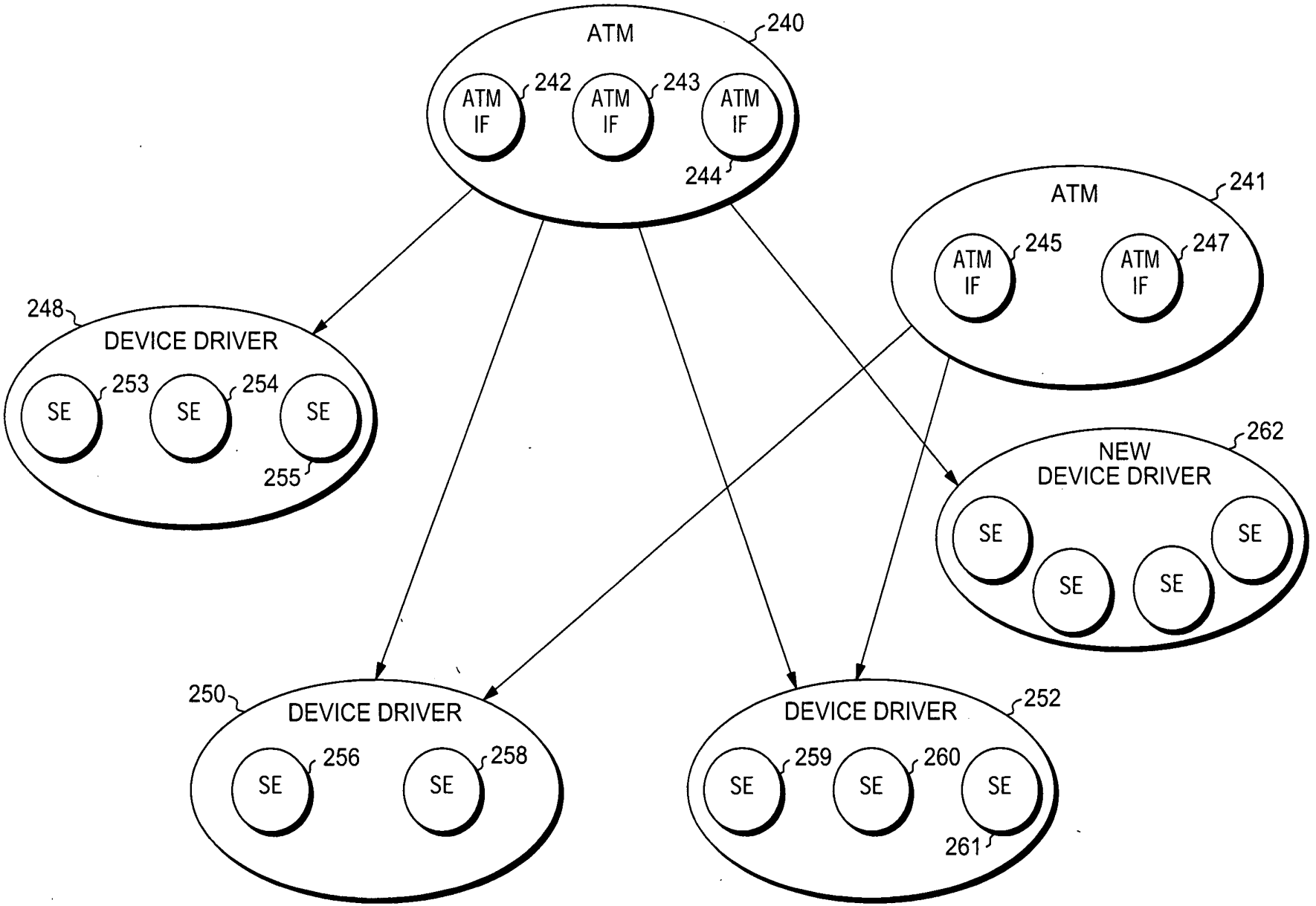

ATM
240
ATM IF
242
ATM IF
243
ATM IF
244
ATM
241
ATM IF
245
ATM IF
247
248
DEVICE DRIVER
SE
253
SE
254
SE
255
NEW DEVICE DRIVER
262
SE
SE
SE
SE
250
DEVICE DRIVER
SE
256
SE
258
DEVICE DRIVER
252
SE
259
SE
260
SE
261

FIG. 16A

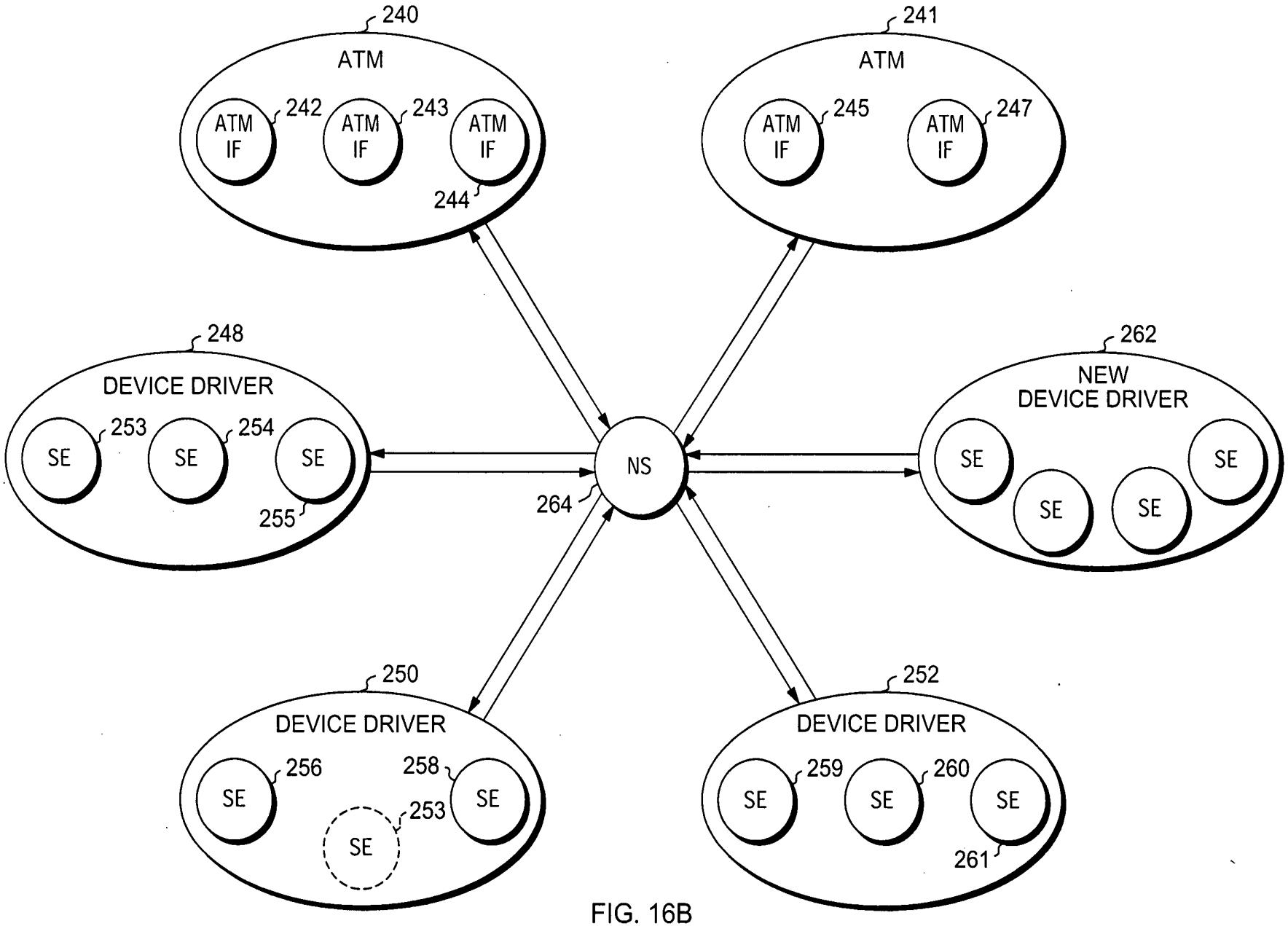

240
ATM
ATM IF
242
ATM IF
243
ATM IF
244
241
ATM
ATM IF
245
ATM IF
247
248
DEVICE DRIVER
SE
253
SE
254
SE
255
NS
264
262
NEW DEVICE DRIVER
SE
SE
SE
SE
250
DEVICE DRIVER
SE
256
SE
253
SE
258
252
DEVICE DRIVER
SE
259
SE
260
SE
261

FIG. 16B

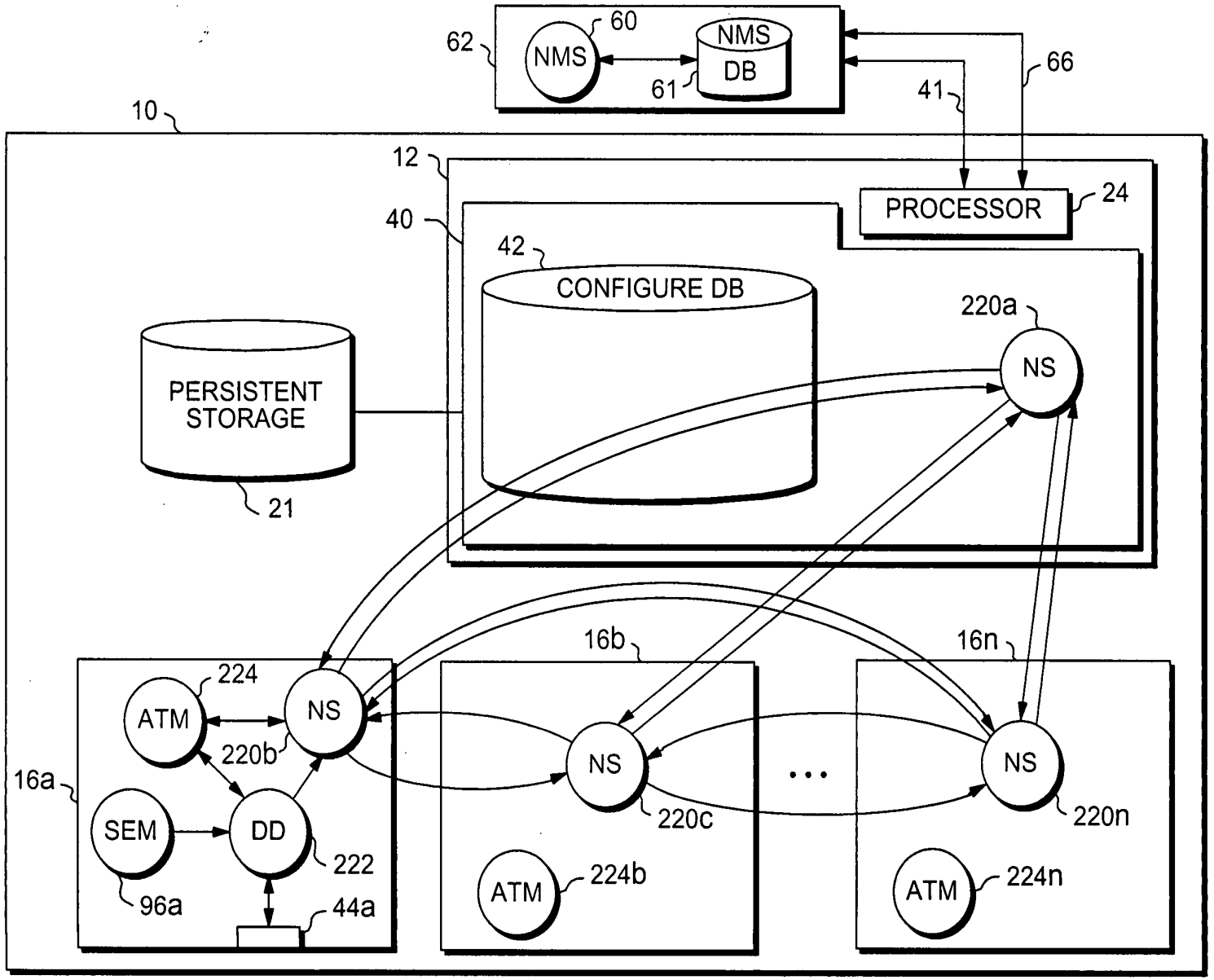

62
NMS
60
NMS
DB
61
66
41
10
12
PROCESSOR
24
40
42
CONFIGURE DB
220a
NS
PERSISTENT
STORAGE
21
16b
16n
224
ATM
NS
220b
16a
SEM
DD
222
96a
44a
NS
220c
NS
220n
ATM
224b
ATM
224n

FIG. 16C

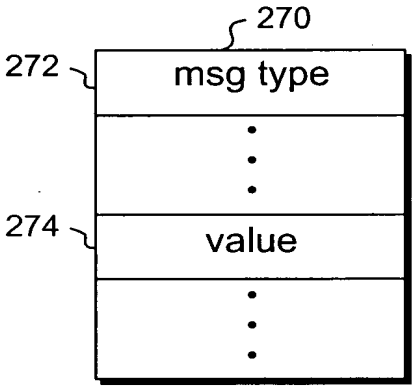


FIG. 16D

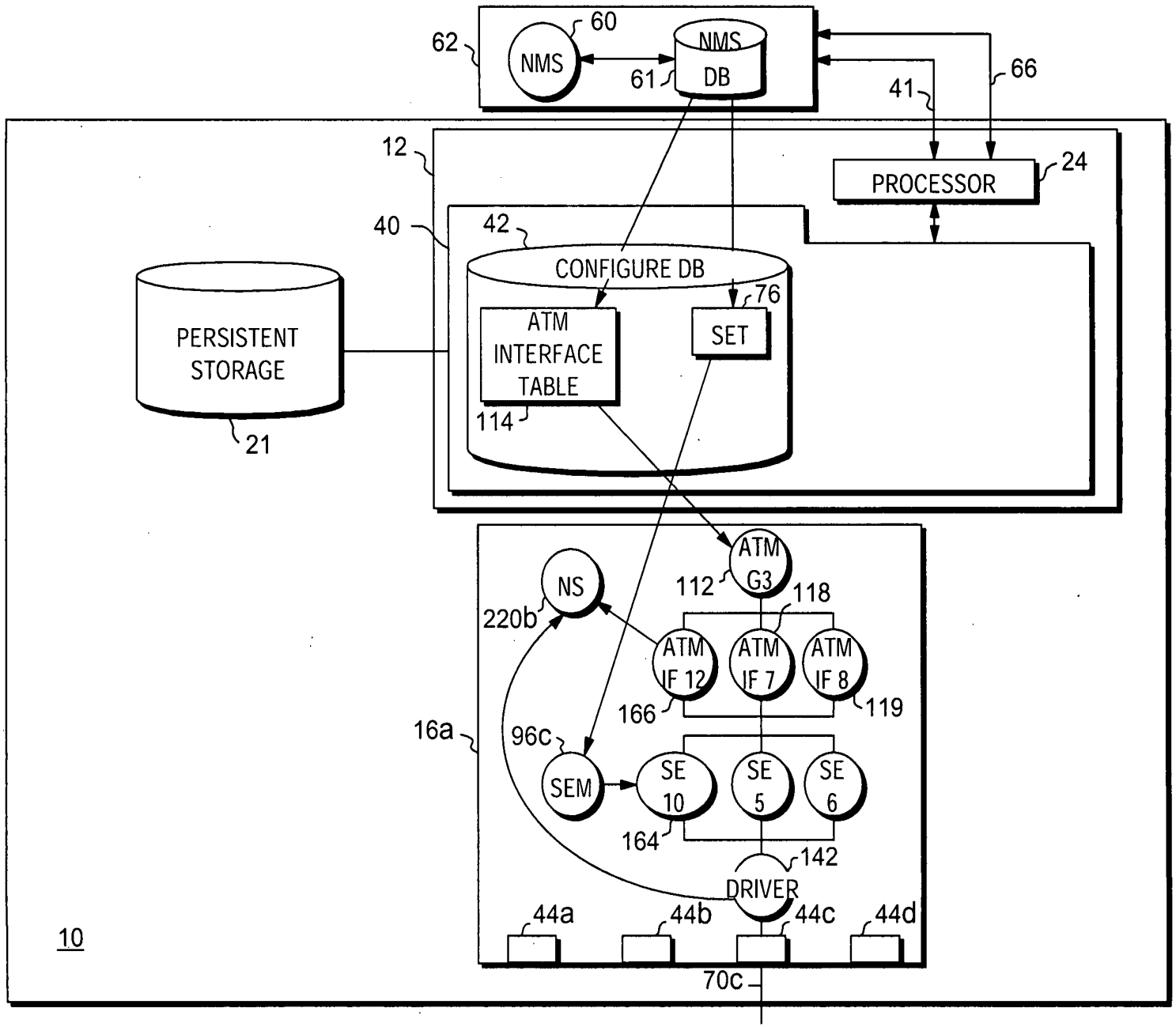

62
NMS
60
NMS
DB
61
41
66
12
PROCESSOR
24
40
42
CONFIGURE DB
76
PERSISTENT
STORAGE
21
ATM
INTERFACE
TABLE
114
SET
ATM
G3
112
118
NS
220b
ATM
IF 12
ATM
IF 7
ATM
IF 8
119
166
16a
96c
SEM
SE
10
SE
5
SE
6
164
142
DRIVER
44a
44b
44c
44d
10
70c

FIG. 17

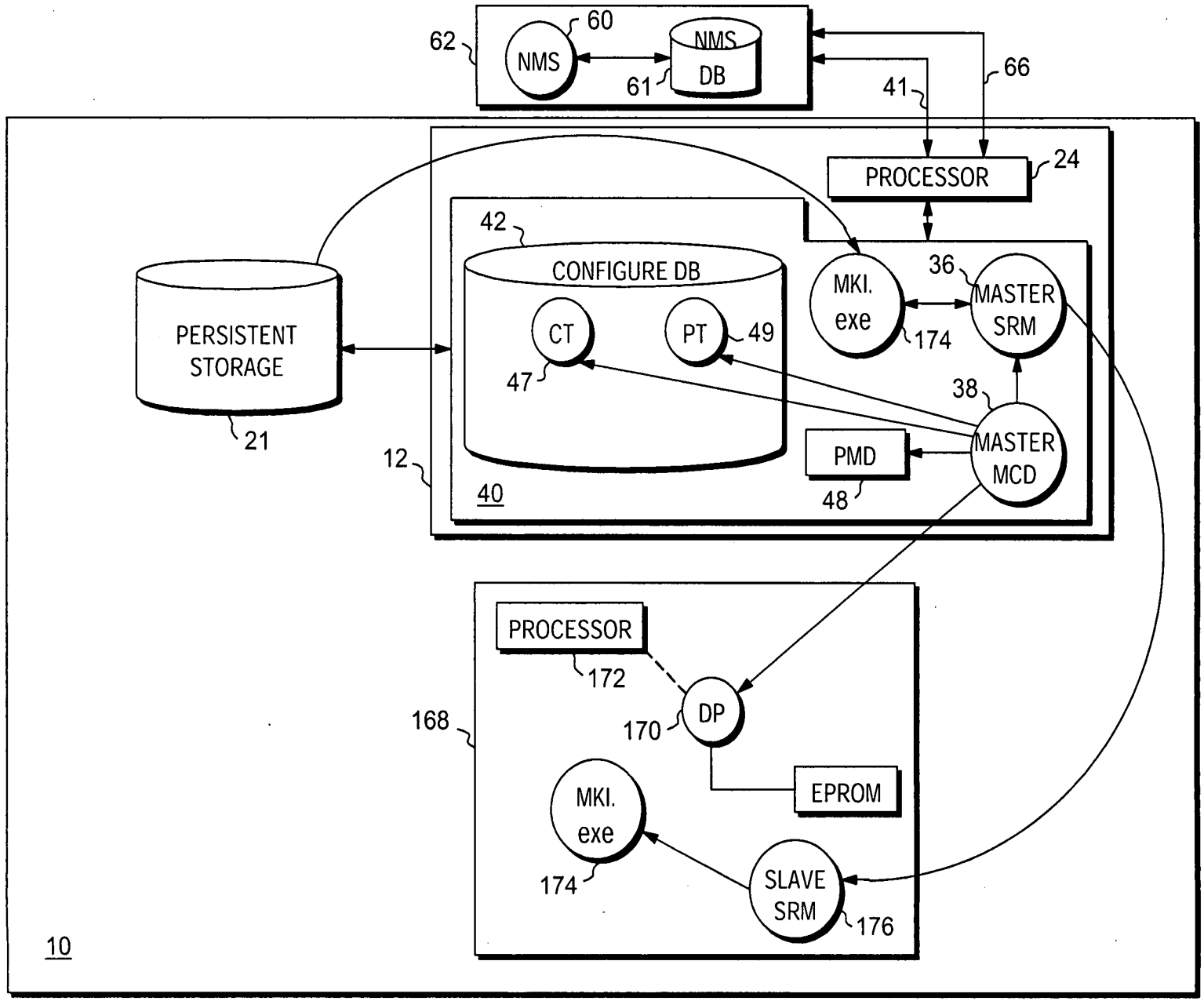

62
NMS
60
NMS DB
61
41
66
PROCESSOR
24
42
CONFIGURE DB
CT
47
PT
49
PERSISTENT STORAGE
21
12
40
MKI. exe
174
36
MASTER SRM
38
MASTER MCD
PMD
48
PROCESSOR
172
168
DP
170
EPROM
MKI. exe
174
SLAVE SRM
176
10

FIG. 18

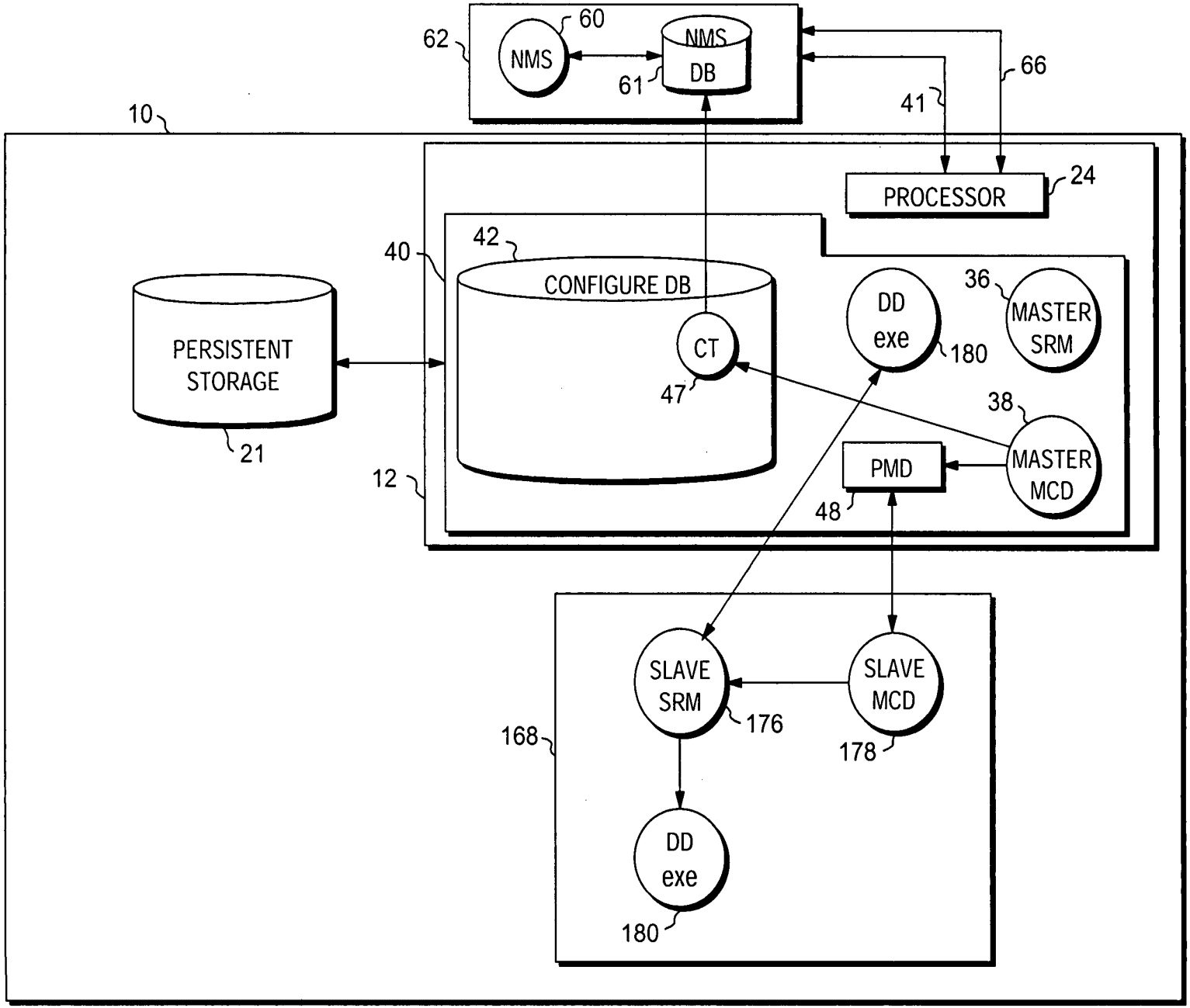

62
NMS
60
NMS
DB
61
66
41
10
PROCESSOR
24
42
40
CONFIGURE DB
36
DD
exe
MASTER
SRM
180
PERSISTENT
STORAGE
CT
47
38
MASTER
MCD
PMD
48
12
21
SLAVE
SRM
SLAVE
MCD
176
178
168
DD
exe
180

FIG. 19

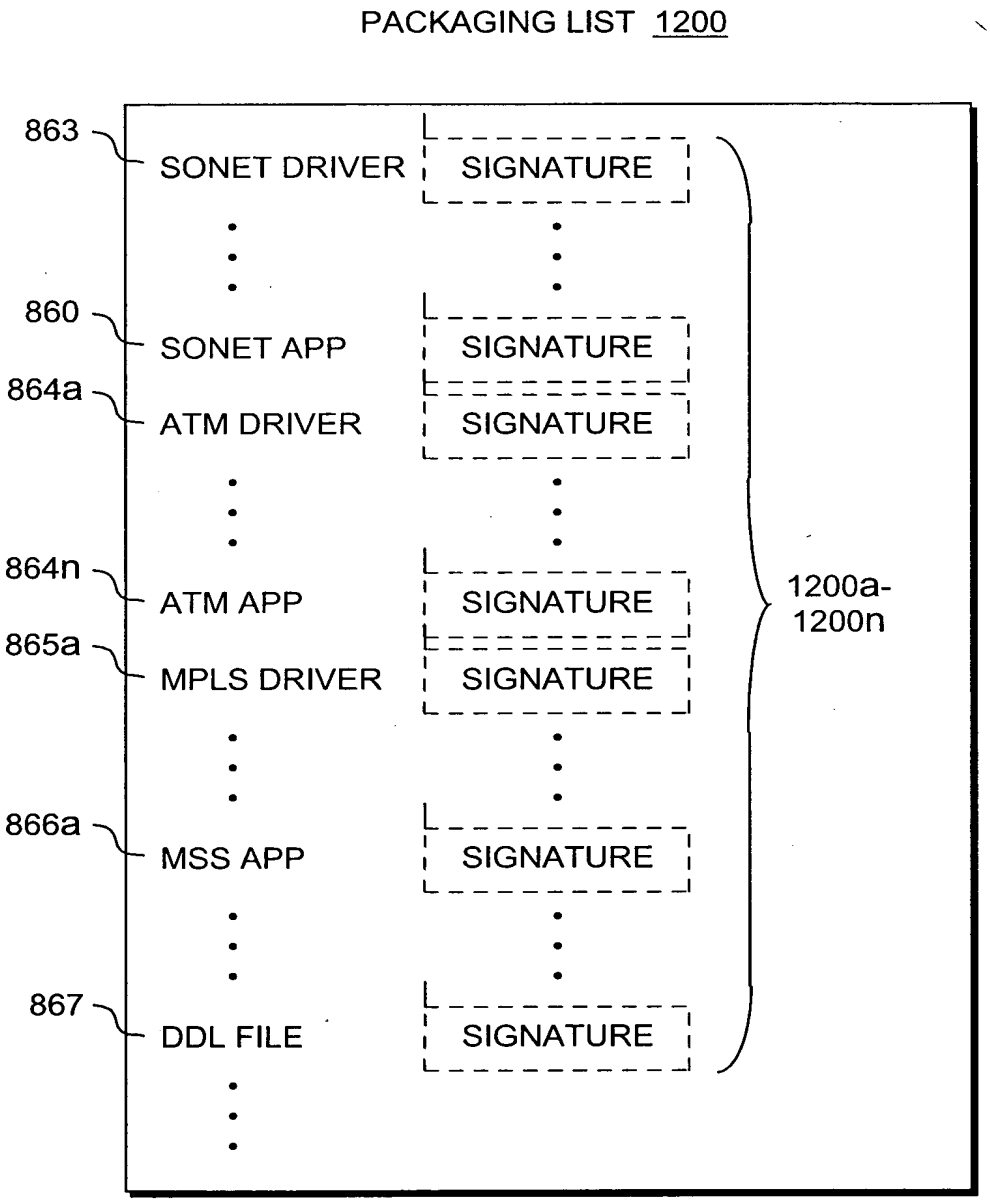

PACKAGING LIST 1200
863
SONET DRIVER
SIGNATURE
860
SONET APP
SIGNATURE
864a
ATM DRIVER
SIGNATURE
864n
ATM APP
SIGNATURE
865a
MPLS DRIVER
SIGNATURE
866a
MSS APP
SIGNATURE
867
DDL FILE
SIGNATURE
1200a-
1200n

FIG. 20A

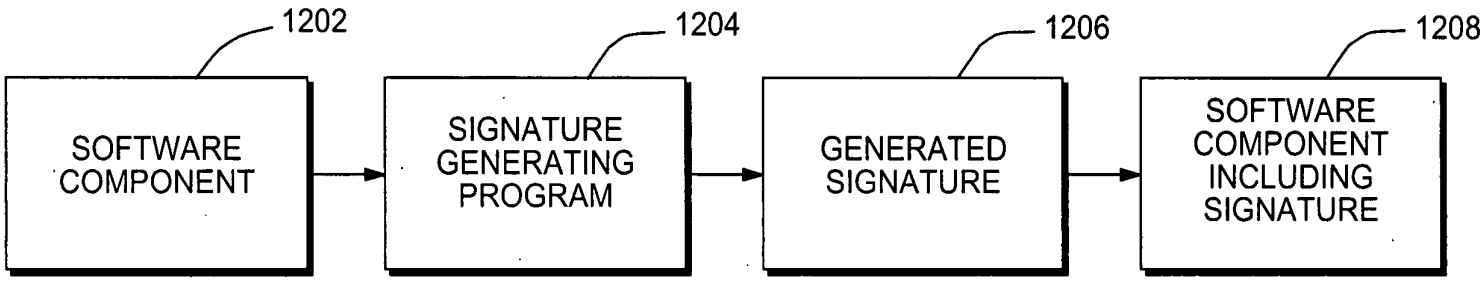

1202
1204
1206
1208
SOFTWARE COMPONENT
SIGNATURE GENERATING PROGRAM
GENERATED SIGNATURE
SOFTWARE COMPONENT INCLUDING SIGNATURE

FIG. 20B

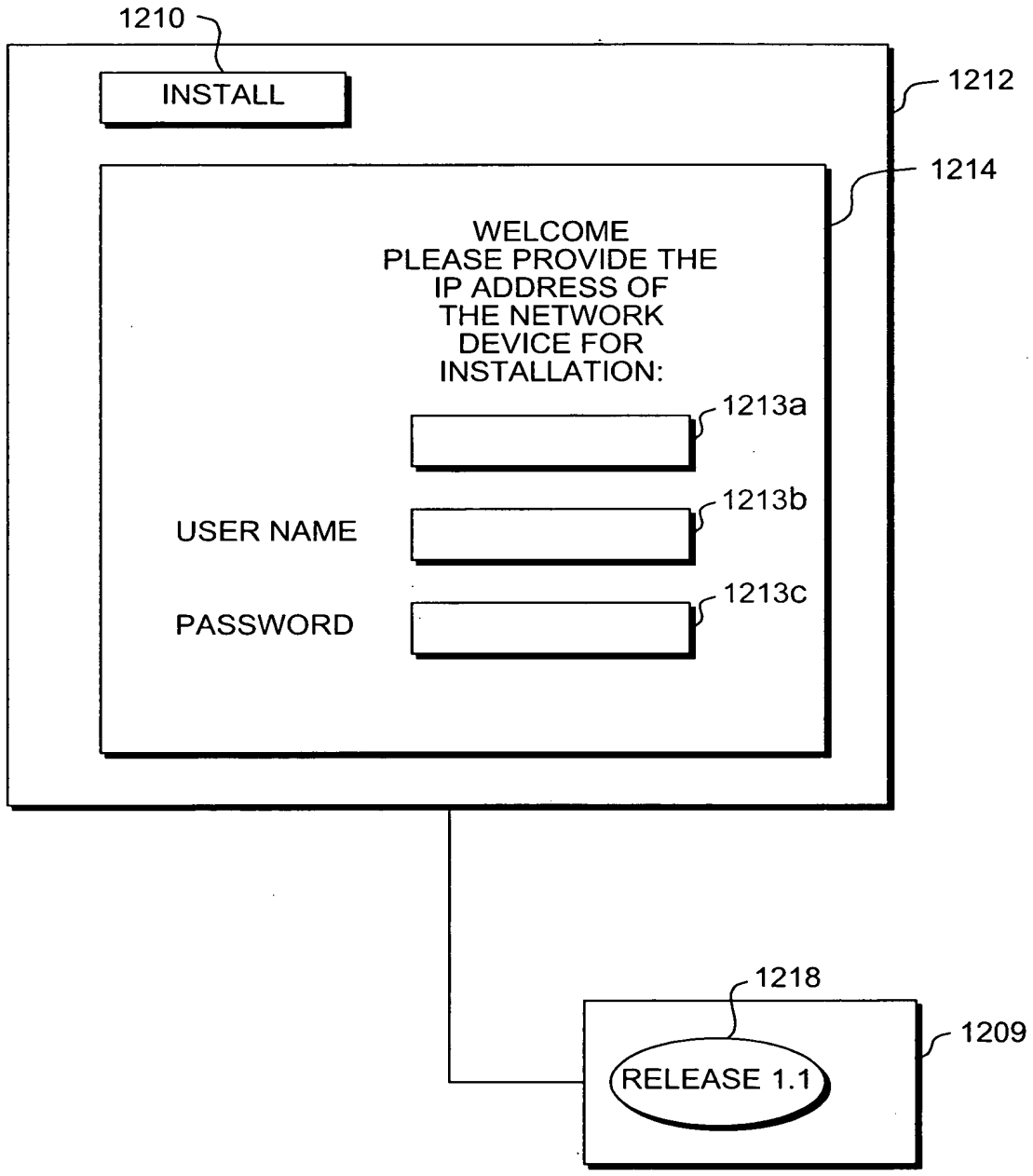

1210
INSTALL
1212
1214
WELCOME
PLEASE PROVIDE THE
IP ADDRESS OF
THE NETWORK
DEVICE FOR
INSTALLATION:
1213a
USER NAME
1213b
PASSWORD
1213c
1218
RELEASE 1.1
1209

FIG. 20C

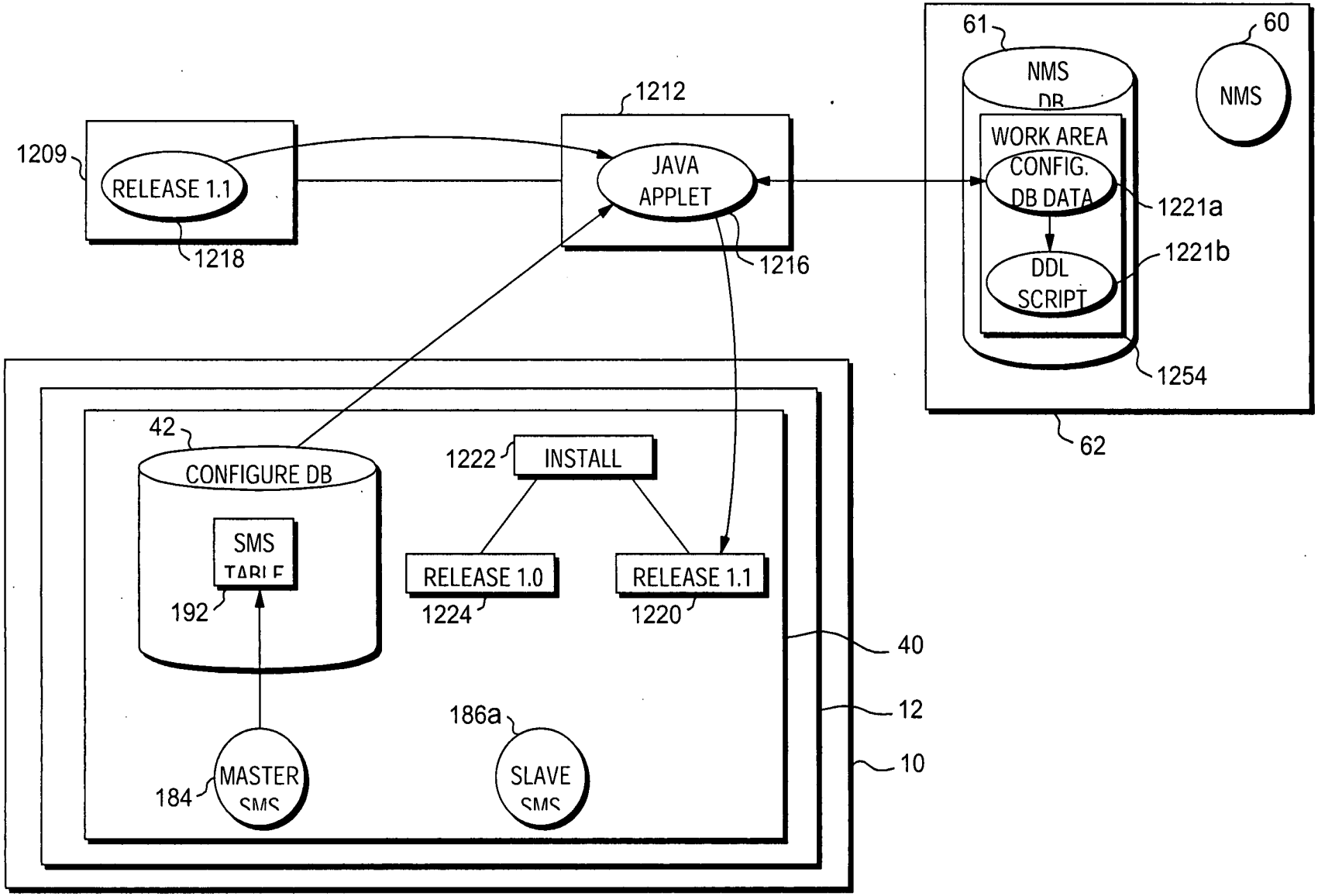

61
60
NMS DB
NMS
1212
1209
RELEASE 1.1
JAVA APPLET
WORK AREA
CONFIG. DB DATA
1221a
1221b
DDL SCRIPT
1218
1216
1254
62
42
CONFIGURE DB
1222
INSTALL
SMS TABLE
192
RELEASE 1.0
1224
RELEASE 1.1
1220
40
12
10
186a
184
MASTER SMS
SLAVE SMS

FIG. 20D

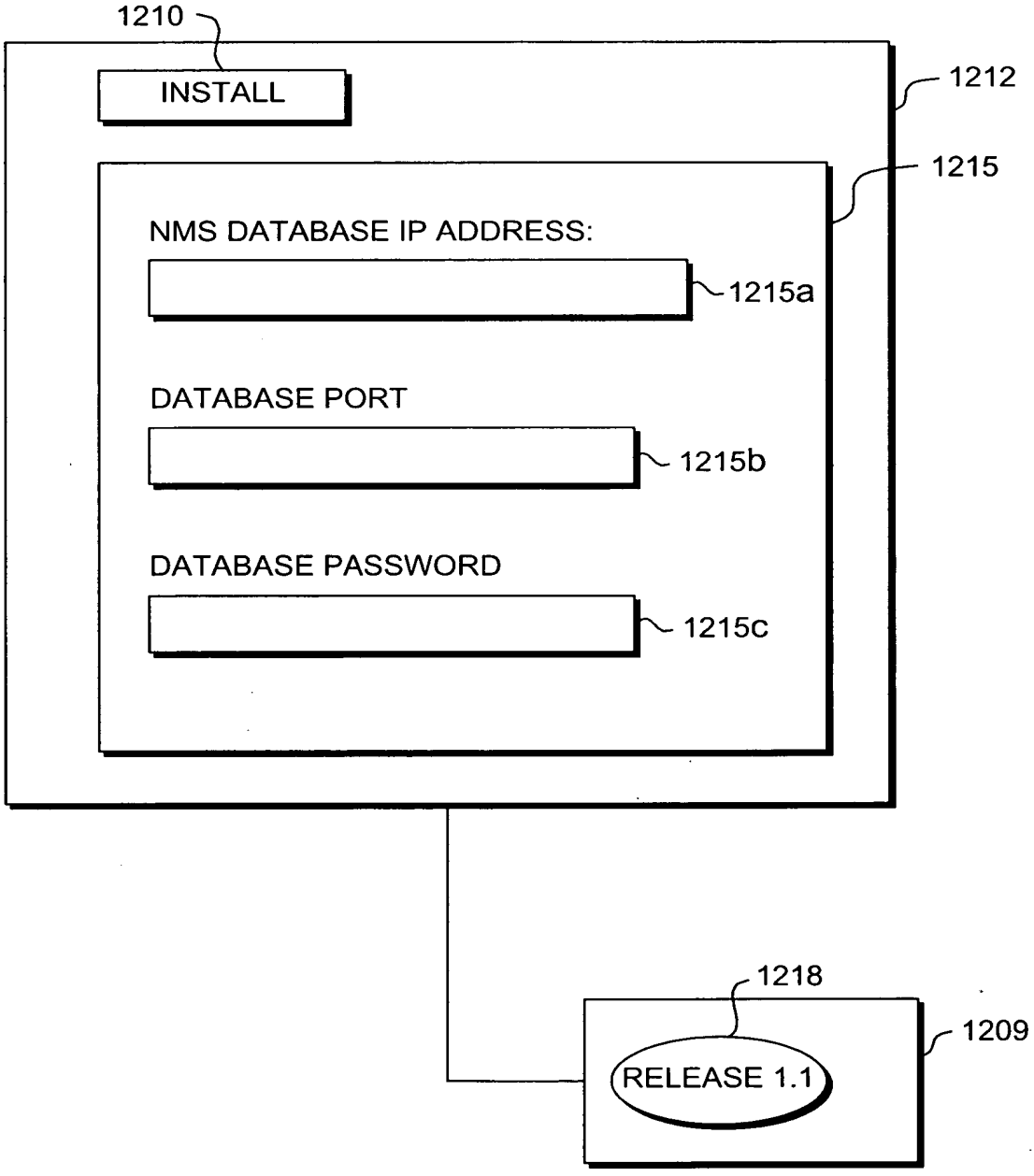

1210
INSTALL
1212
1215
NMS DATABASE IP ADDRESS:
1215a
DATABASE PORT
1215b
DATABASE PASSWORD
1215c
1218
RELEASE 1.1
1209

FIG. 20E

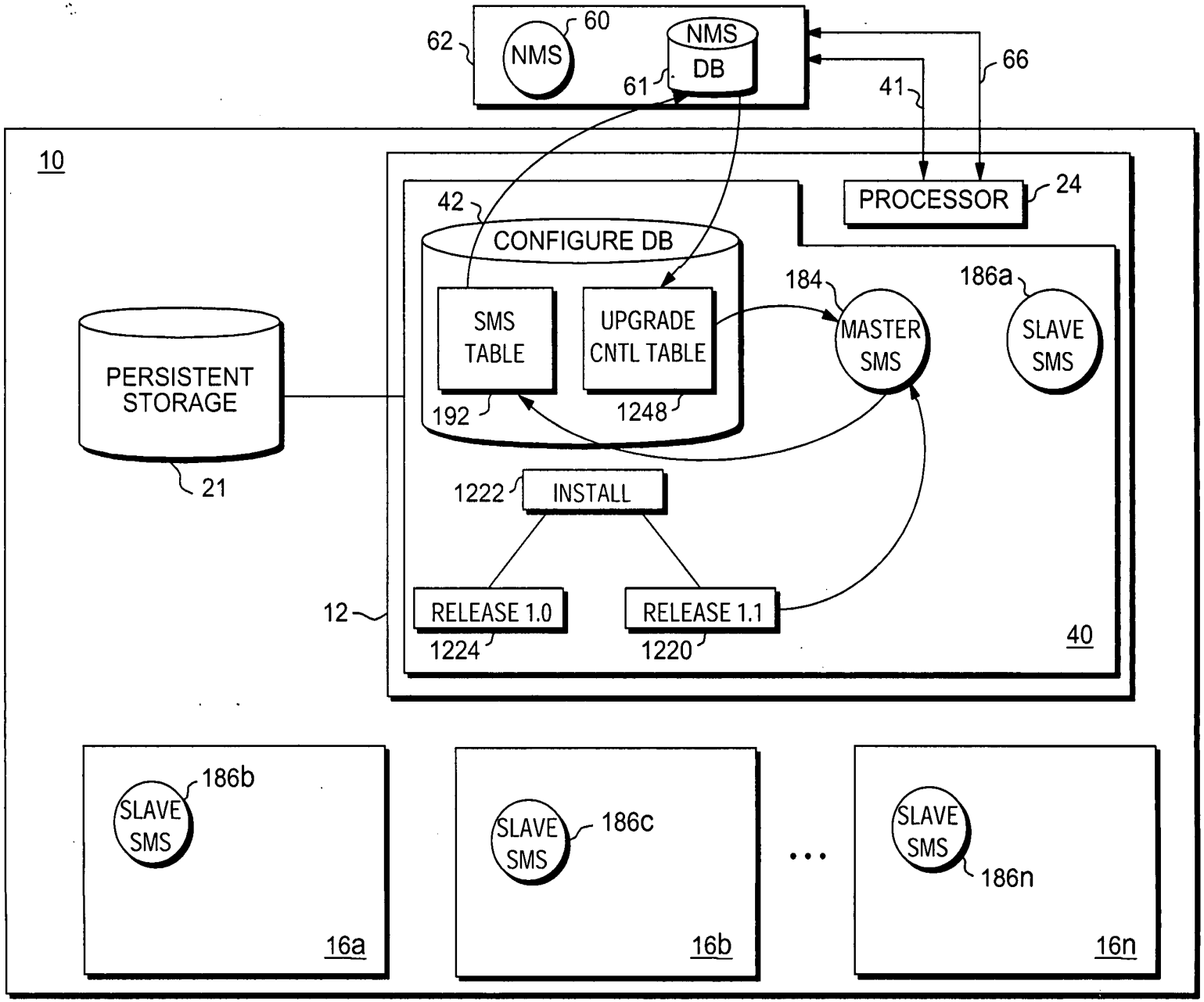

62
NMS
60
NMS DB
61
41
66
10
42
CONFIGURE DB
PROCESSOR
24
184
186a
SMS TABLE
UPGRADE CNTL TABLE
MASTER SMS
SLAVE SMS
PERSISTENT STORAGE
192
1248
21
1222
INSTALL
12
RELEASE 1.0
RELEASE 1.1
1224
1220
40
186b
SLAVE SMS
186c
SLAVE SMS
SLAVE SMS
186n
16a
16b
16n

FIG. 21A

SMS TABLE 192

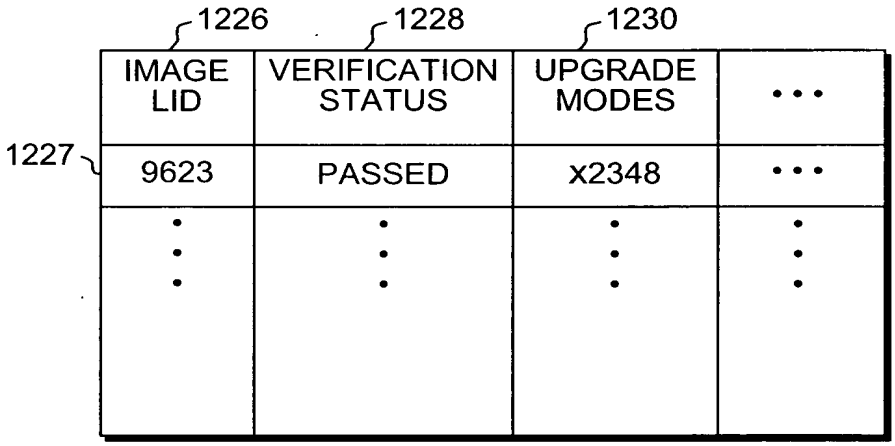


FIG. 21B

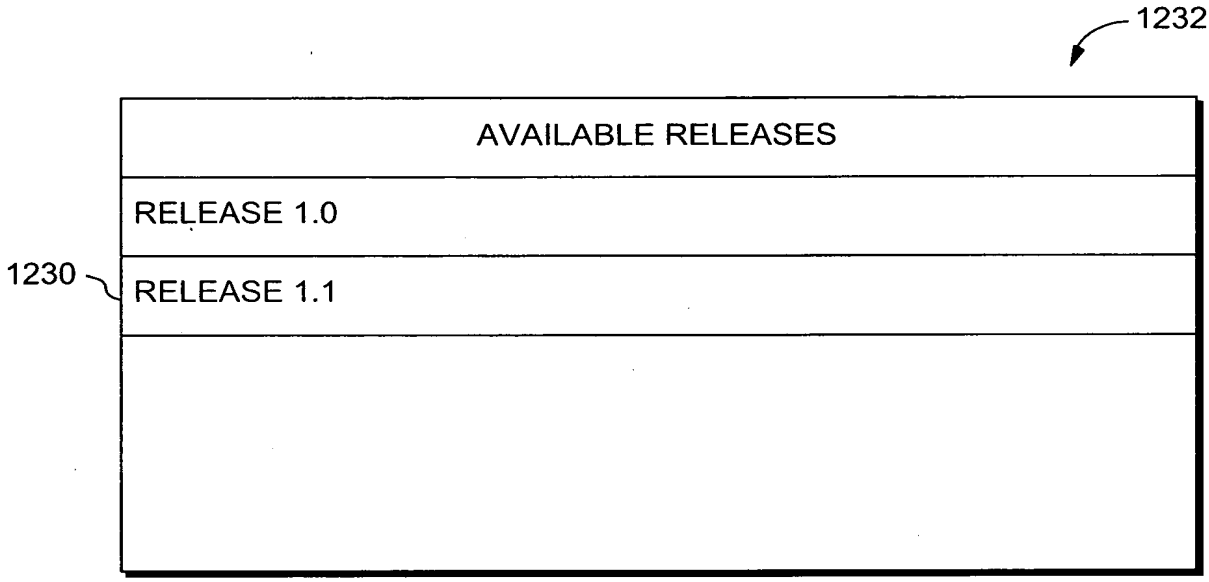


FIG. 21C

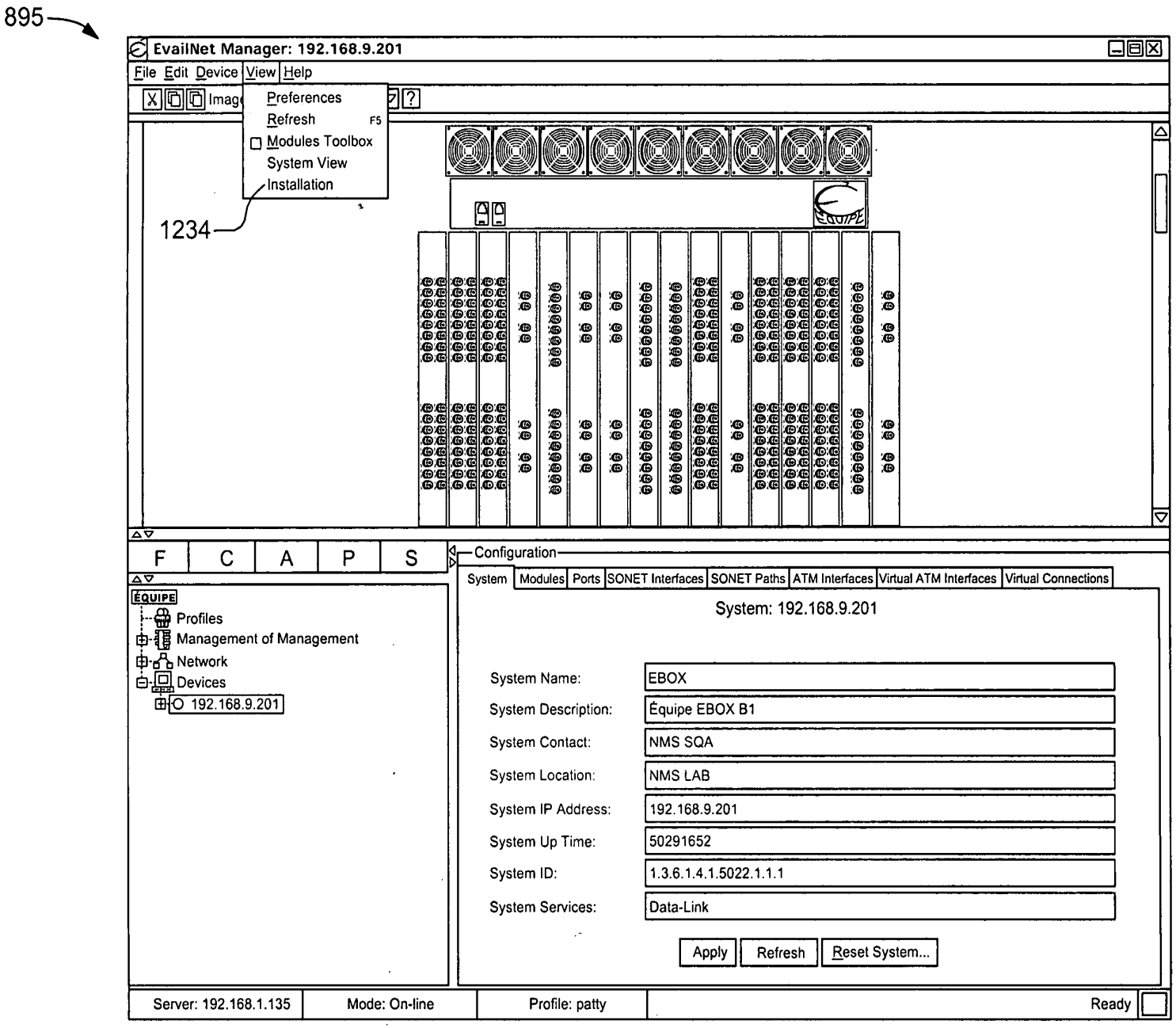

895
EvailNet Manager: 192.168.9.201
File Edit Device View Help
Preferences
Refresh F5
Modules Toolbox
System View
Installation
1234
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.201
System: 192.168.9.201
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.201
System Up Time: 50291652
System ID: 1.3.6.1.4.1.5022.1.1.1
System Services: Data-Link
Apply Refresh Reset System...
Server: 192.168.1.135
Mode: On-line
Profile: patty
Ready

FIG. 21D

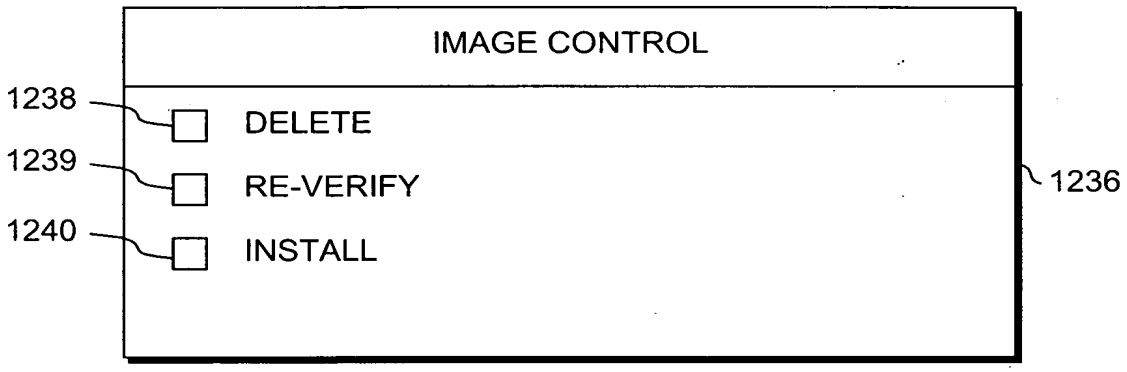


FIG. 21E

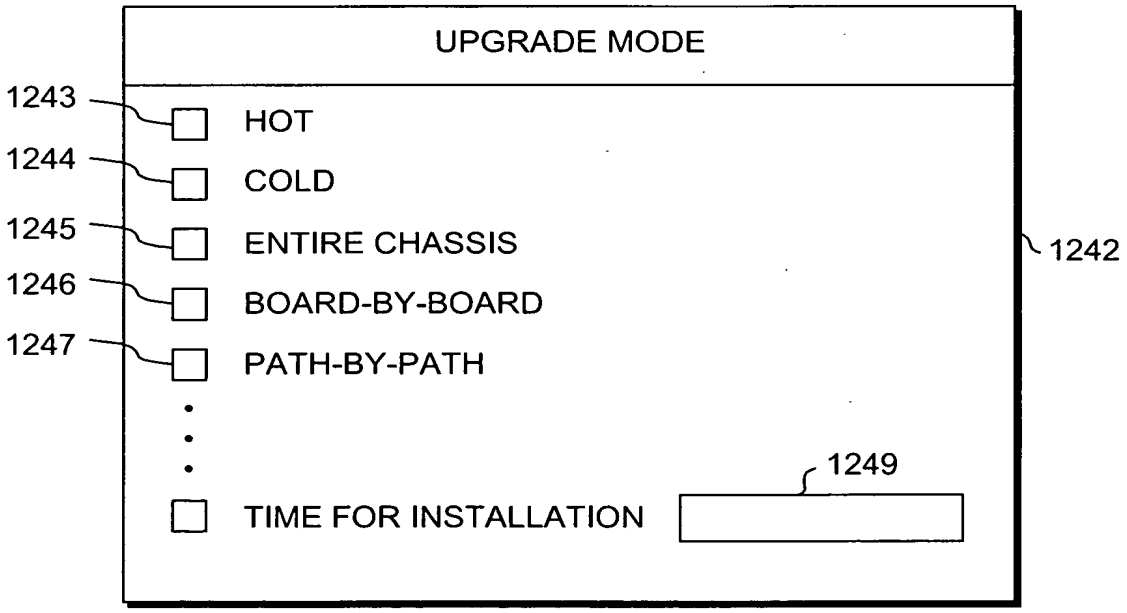


FIG. 21F

UPGRADE CONTROL TABLE 1248

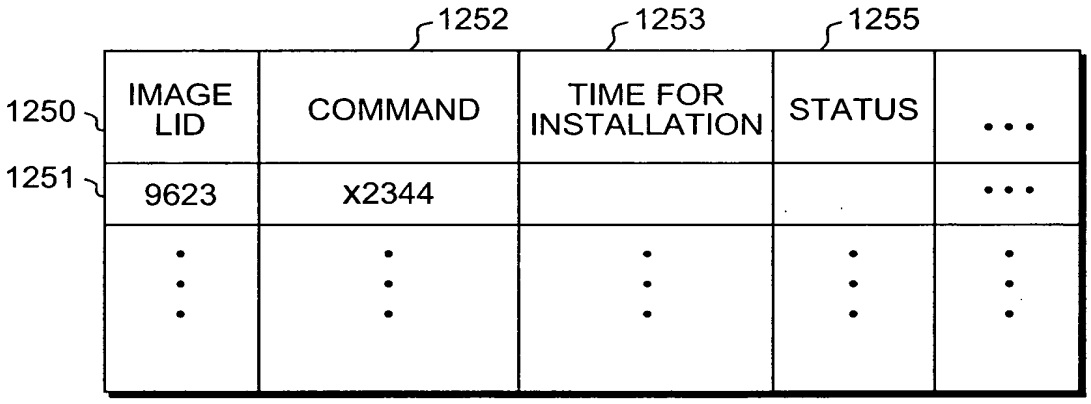


FIG. 21G

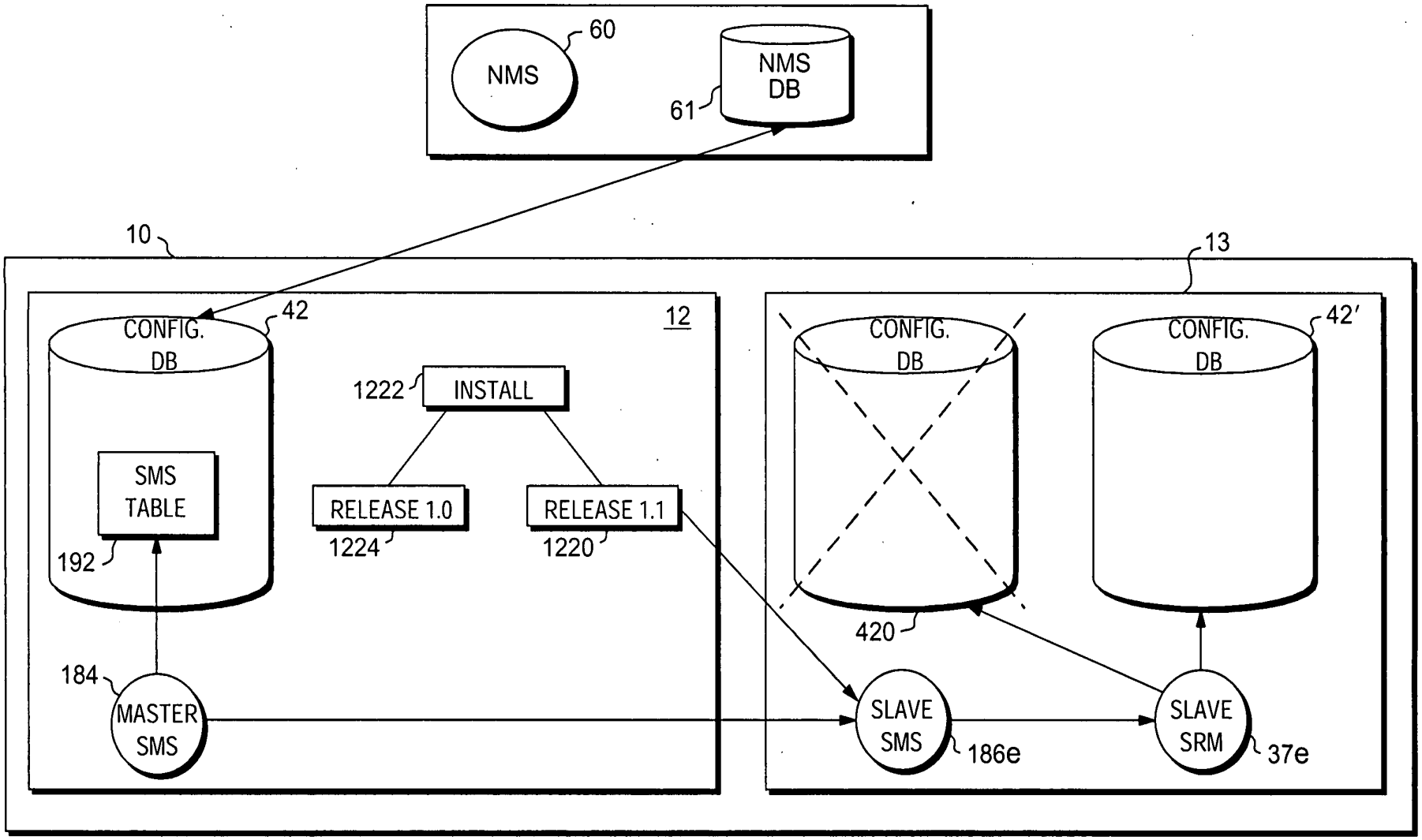

NMS
60
NMS DB
61
10
13
CONFIG. DB
42
12
1222
INSTALL
SMS TABLE
192
RELEASE 1.0
1224
RELEASE 1.1
1220
CONFIG. DB
CONFIG. DB
42'
420
184
MASTER SMS
SLAVE SMS
186e
SLAVE SRM
37e

FIG. 22

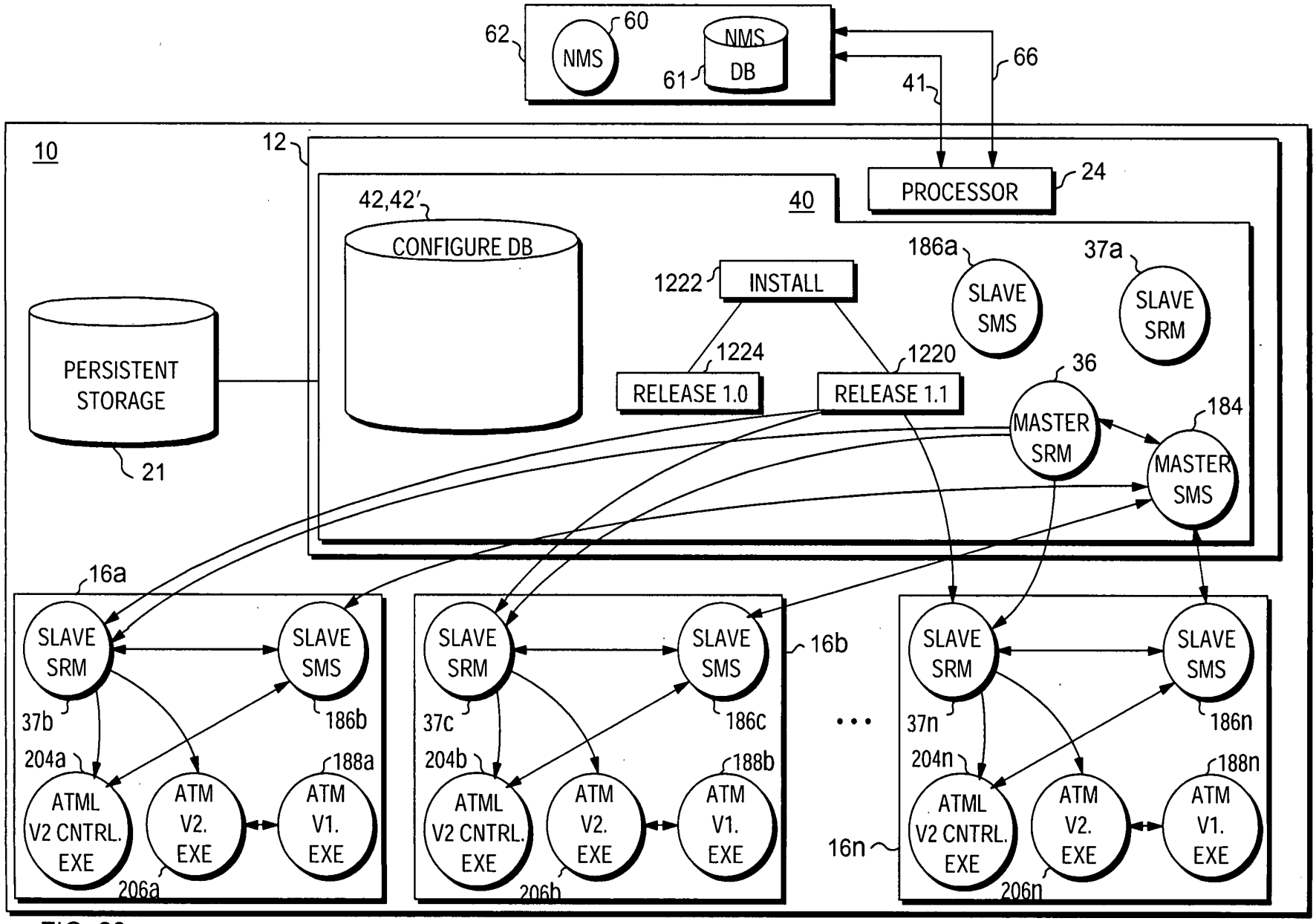

62
NMS
60
NMS DB
61
41
66
10
12
PROCESSOR
24
42,42'
40
CONFIGURE DB
186a
SLAVE SMS
37a
SLAVE SRM
1222
INSTALL
PERSISTENT STORAGE
21
1224
RELEASE 1.0
1220
RELEASE 1.1
36
MASTER SRM
184
MASTER SMS
16a
SLAVE SRM
SLAVE SMS
37b
186b
204a
188a
ATML V2 CNTRL. EXE
ATM V2. EXE
ATM V1. EXE
206a
SLAVE SRM
SLAVE SMS
16b
37c
186c
204b
188b
ATML V2 CNTRL. EXE
ATM V2. EXE
ATM V1. EXE
206b
SLAVE SRM
SLAVE SMS
37n
186n
204n
188n
16n
ATML V2 CNTRL. EXE
ATM V2. EXE
ATM V1. EXE
206n

FIG. 23

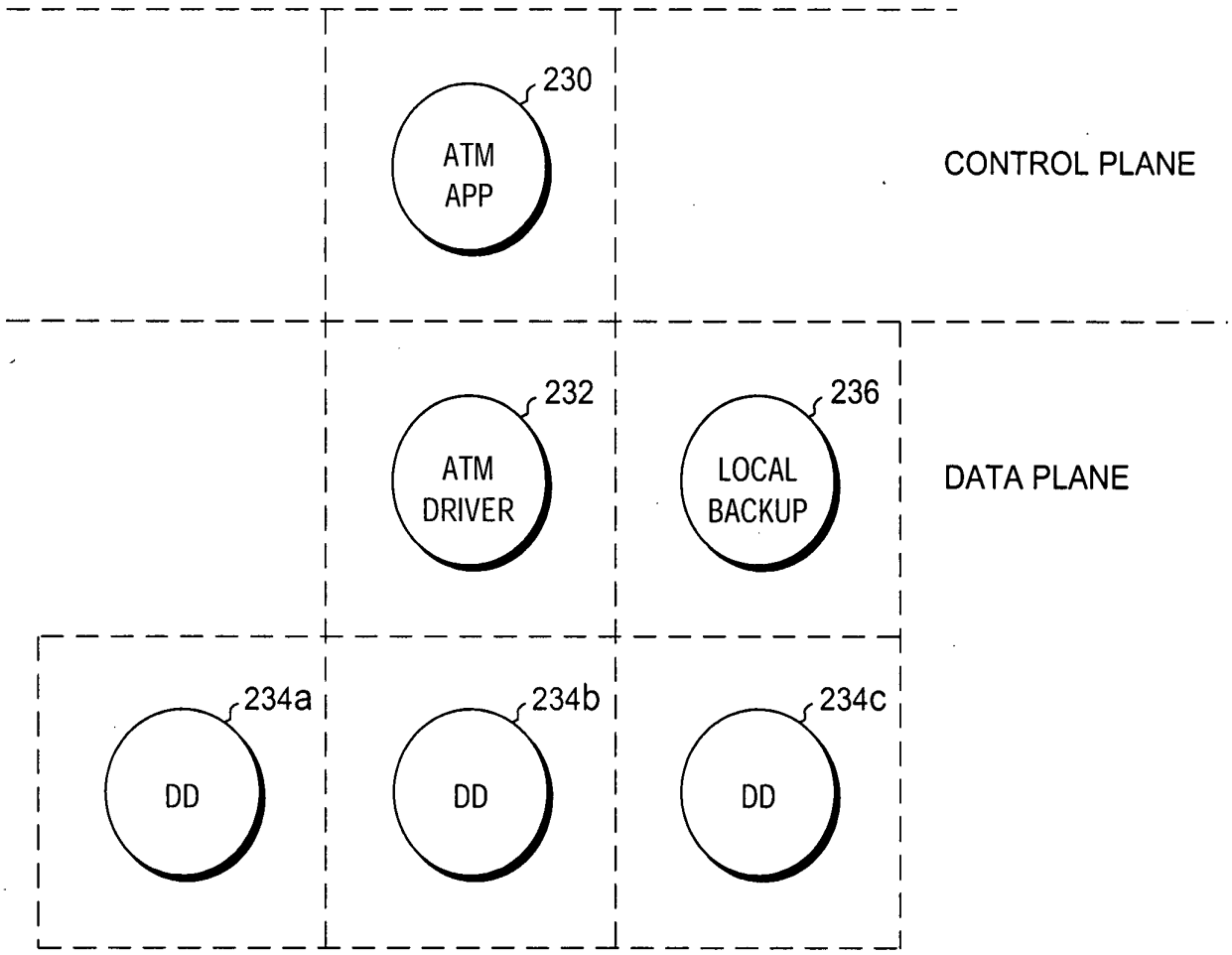

230
ATM
APP
CONTROL PLANE
232
ATM
DRIVER
236
LOCAL
BACKUP
DATA PLANE
234a
DD
234b
DD
234c
DD

FIG. 24

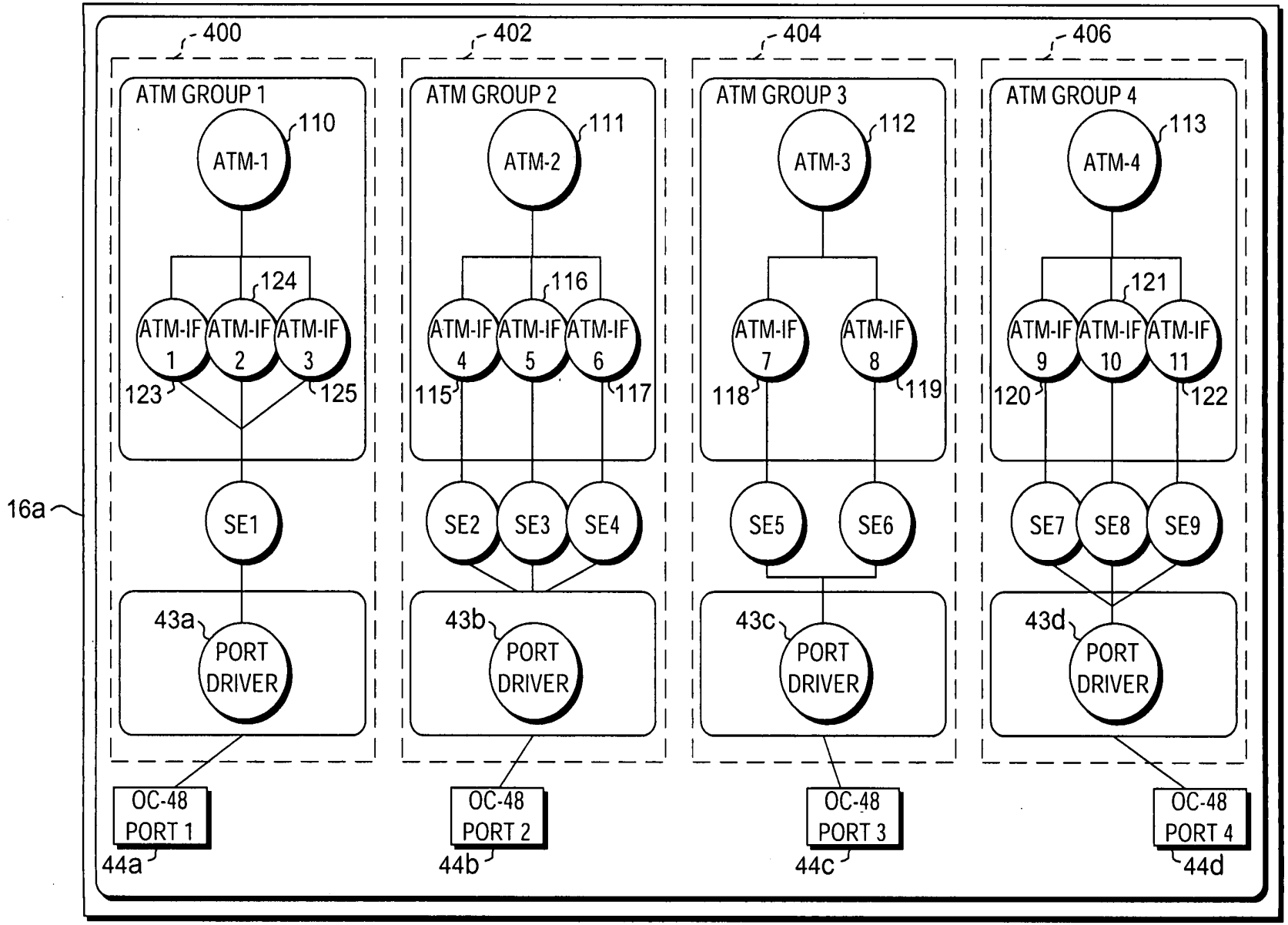

400
402
404
406
ATM GROUP 1
ATM GROUP 2
ATM GROUP 3
ATM GROUP 4
ATM-1
ATM-2
ATM-3
ATM-4
110
111
112
113
124
116
121
ATM-IF 1
ATM-IF 2
ATM-IF 3
ATM-IF 4
ATM-IF 5
ATM-IF 6
ATM-IF 7
ATM-IF 8
ATM-IF 9
ATM-IF 10
ATM-IF 11
123
125
115
117
118
119
120
122
16a
SE1
SE2
SE3
SE4
SE5
SE6
SE7
SE8
SE9
43a
43b
43c
43d
PORT DRIVER
OC-48 PORT 1
OC-48 PORT 2
OC-48 PORT 3
OC-48 PORT 4
44a
44b
44c
44d

FIG. 25

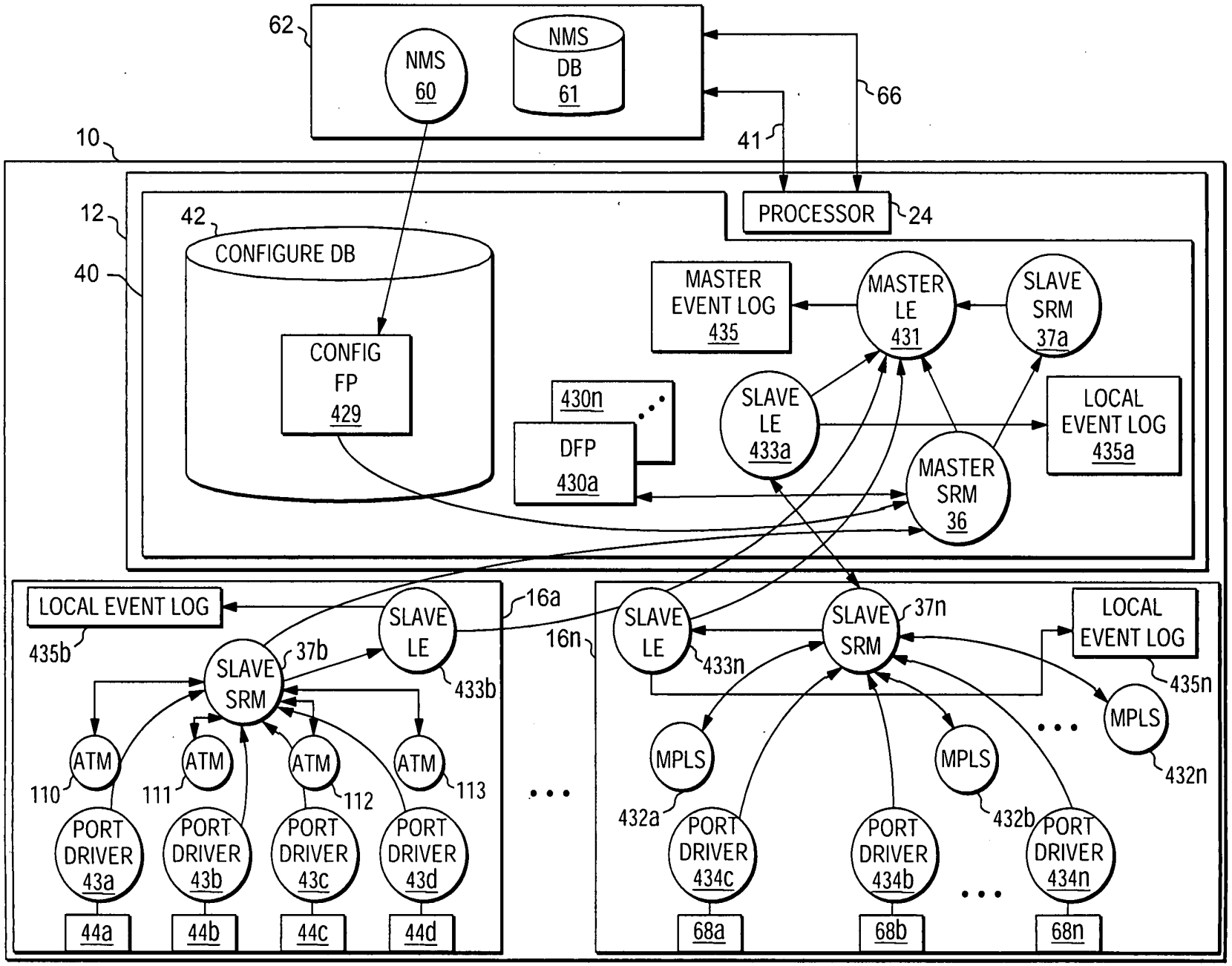

62
NMS
60
NMS
DB
61
66
41
10
12
42
CONFIGURE DB
40
PROCESSOR
24
CONFIG
FP
429
MASTER
EVENT LOG
435
MASTER
LE
431
SLAVE
SRM
37a
430n
DFP
430a
SLAVE
LE
433a
LOCAL
EVENT LOG
435a
MASTER
SRM
36
LOCAL EVENT LOG
435b
SLAVE
LE
16a
SLAVE
SRM
37b
433b
ATM
110
ATM
111
ATM
112
ATM
113
PORT
DRIVER
43a
PORT
DRIVER
43b
PORT
DRIVER
43c
PORT
DRIVER
43d
44a
44b
44c
44d
16n
SLAVE
LE
433n
SLAVE
SRM
37n
LOCAL
EVENT LOG
435n
MPLS
432n
MPLS
432a
MPLS
432b
PORT
DRIVER
434c
PORT
DRIVER
434b
PORT
DRIVER
434n
68a
68b
68n

FIG. 26

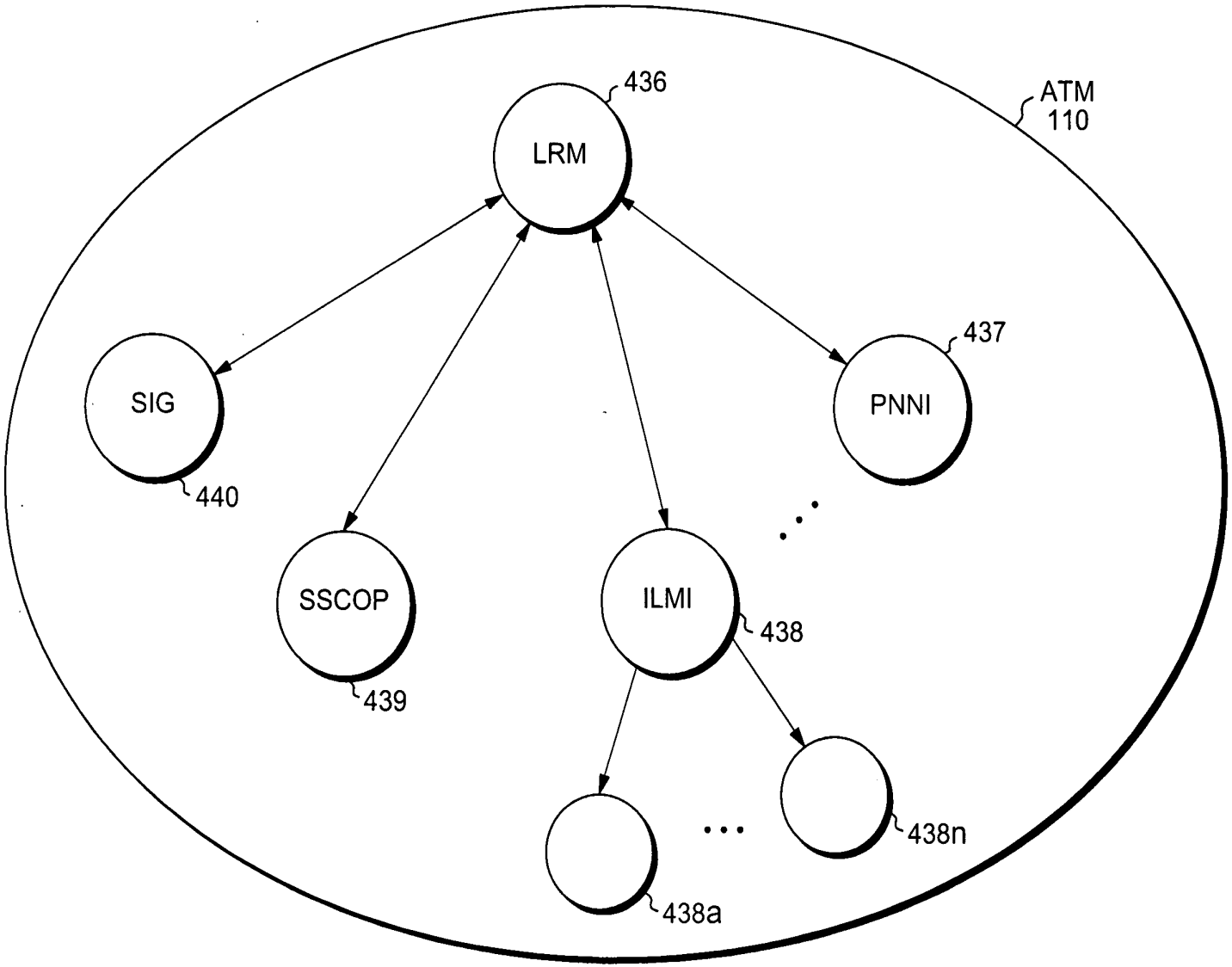


FIG. 27

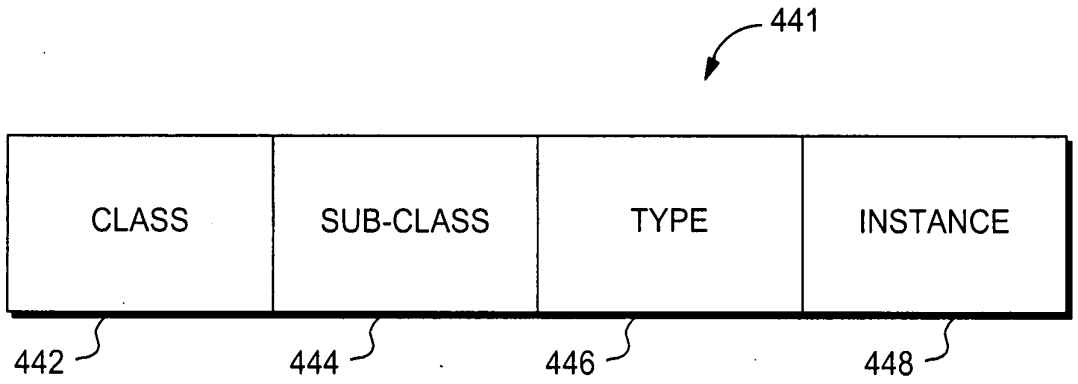


FIG. 28

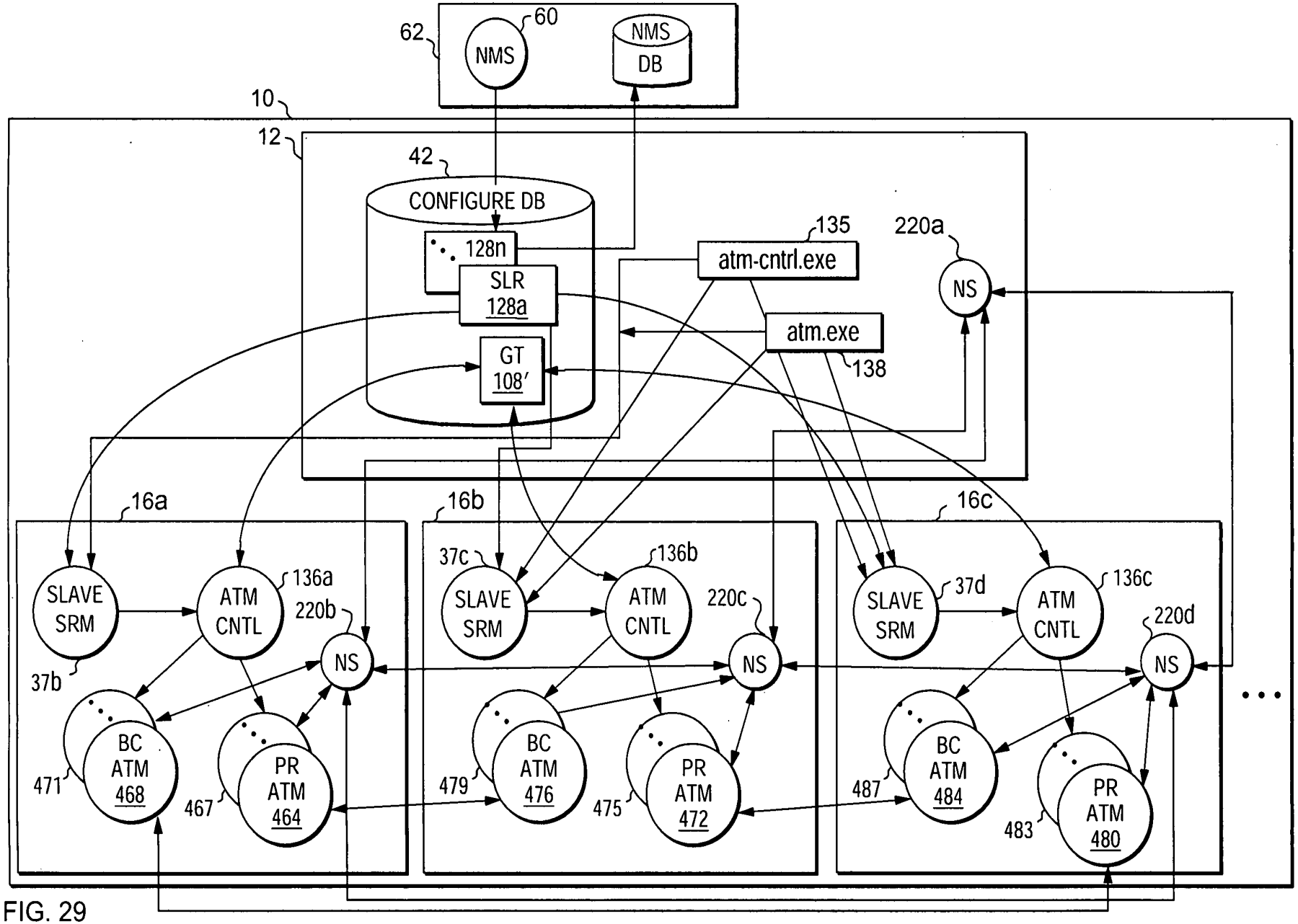

62
60
NMS
NMS
DB
10
12
42
CONFIGURE DB
128n
SLR
128a
GT
108'
135
atm-cntrl.exe
220a
NS
atm.exe
138
16a
16b
16c
SLAVE
SRM
37b
ATM
CNTL
136a
220b
NS
37c
136b
220c
37d
136c
220d
BC
ATM
468
471
PR
ATM
464
467
BC
ATM
476
479
PR
ATM
472
475
BC
ATM
484
487
PR
ATM
480
483

FIG. 29

GROUP TABLE 108'

	GROUP #	PRIMARY CARD LID (447)	BACKUP CARD LID (449)	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

FIG. 30

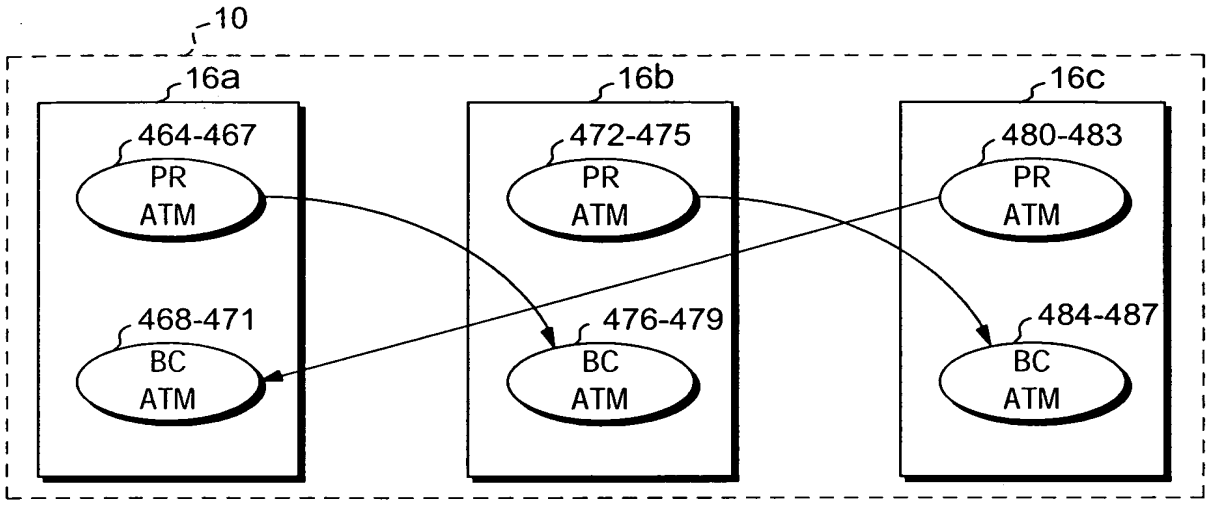


FIG. 31A

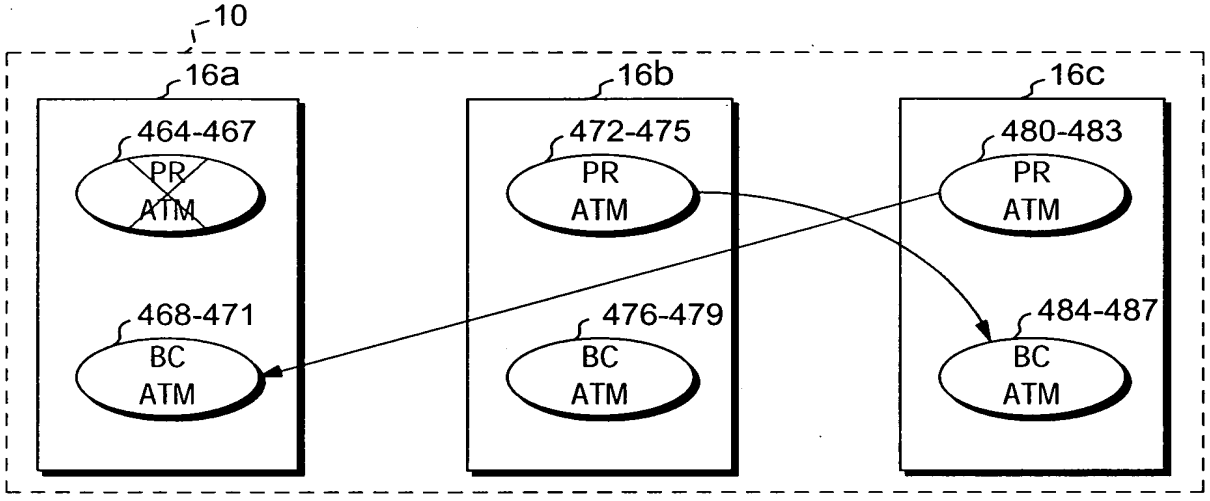


FIG. 31B

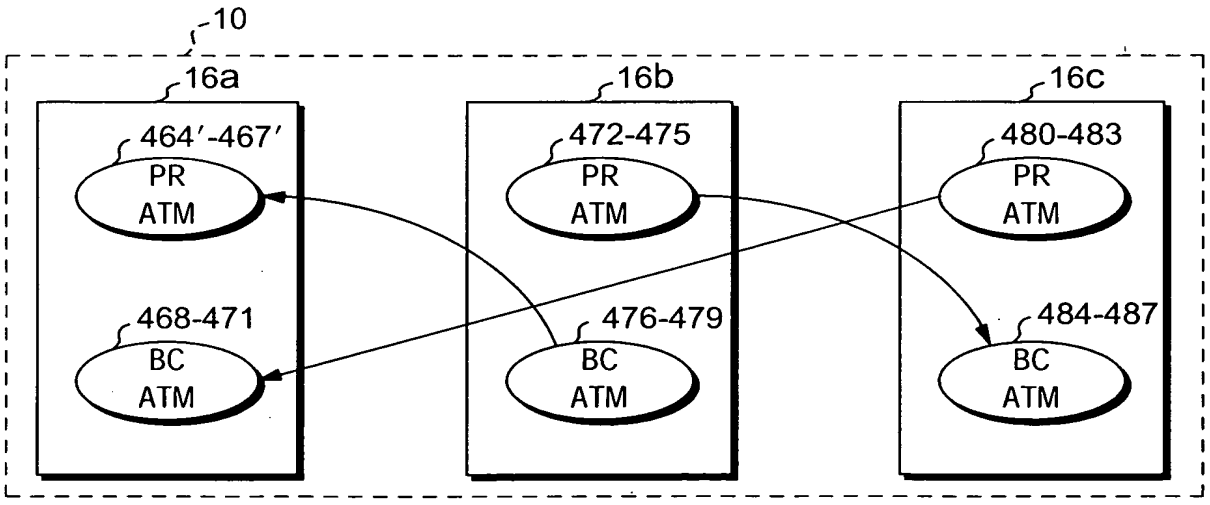


FIG. 31C

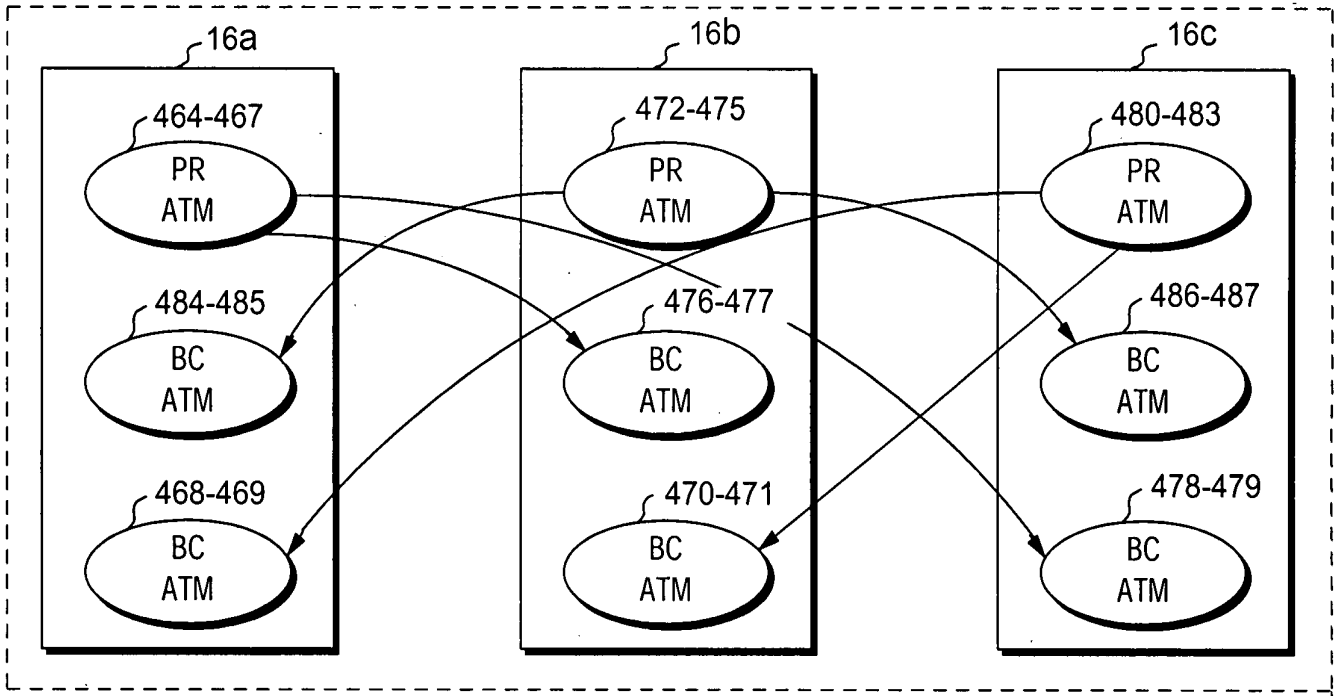

16a
16b
16c
464-467
PR
ATM
484-485
BC
ATM
468-469
BC
ATM
472-475
PR
ATM
476-477
BC
ATM
470-471
BC
ATM
480-483
PR
ATM
486-487
BC
ATM
478-479
BC
ATM

FIG. 32A

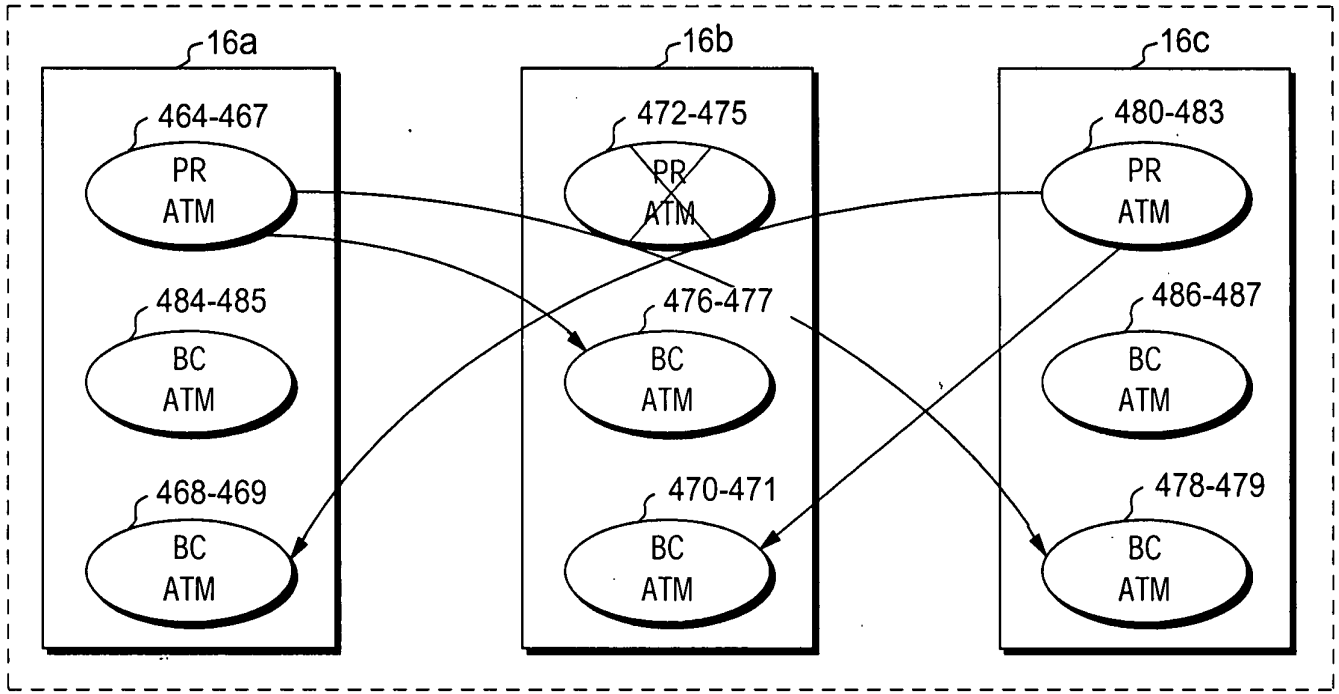

16a
16b
16c
464-467
PR
ATM
484-485
BC
ATM
468-469
BC
ATM
472-475
PR
ATM
476-477
BC
ATM
470-471
BC
ATM
480-483
PR
ATM
486-487
BC
ATM
478-479
BC
ATM

FIG. 32B

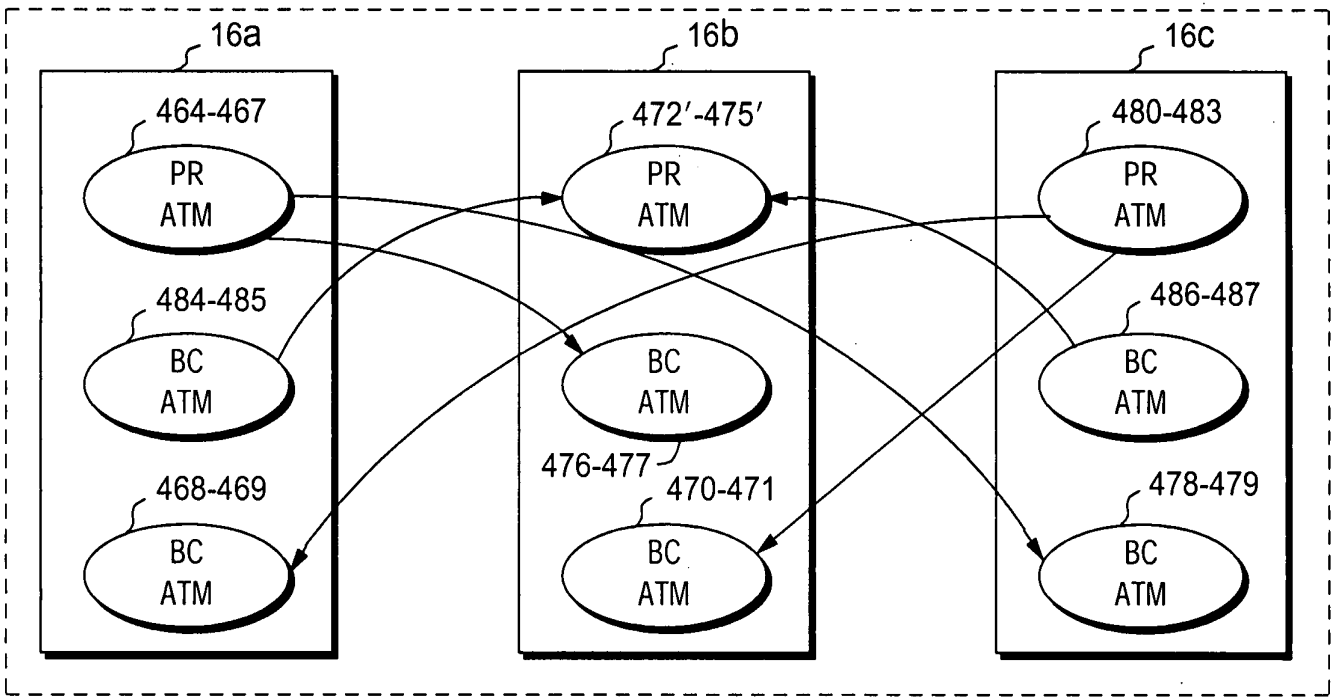

16a
16b
16c
464-467
PR ATM
484-485
BC ATM
468-469
BC ATM
472′-475′
PR ATM
BC ATM
476-477
470-471
BC ATM
480-483
PR ATM
486-487
BC ATM
478-479
BC ATM

FIG. 32C

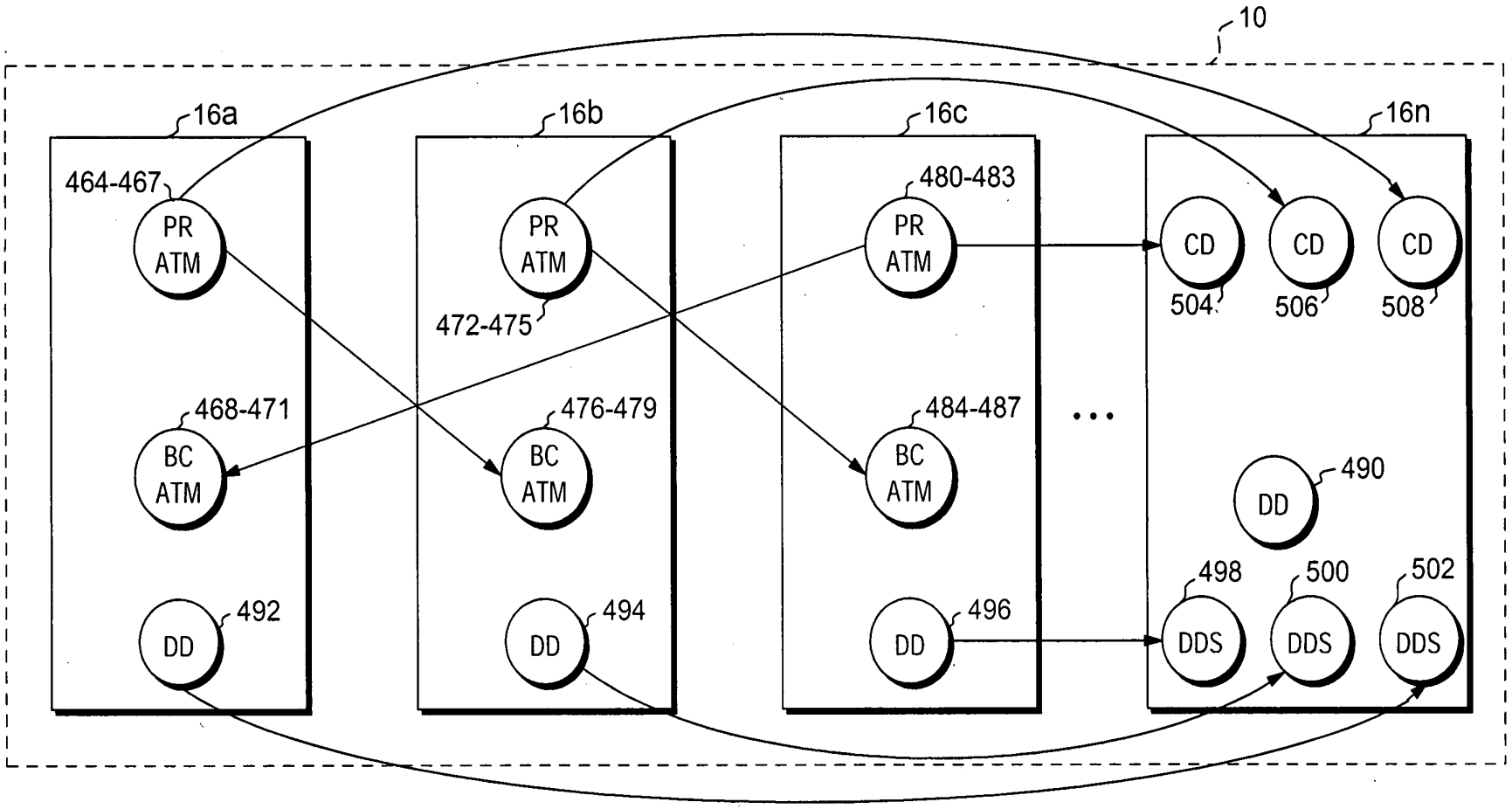

10
16a
16b
16c
16n
464-467
PR ATM
468-471
BC ATM
DD
492
472-475
PR ATM
476-479
BC ATM
DD
494
480-483
PR ATM
484-487
BC ATM
DD
496
CD
504
CD
506
CD
508
DD
490
498
DDS
500
DDS
502
DDS

FIG. 33A

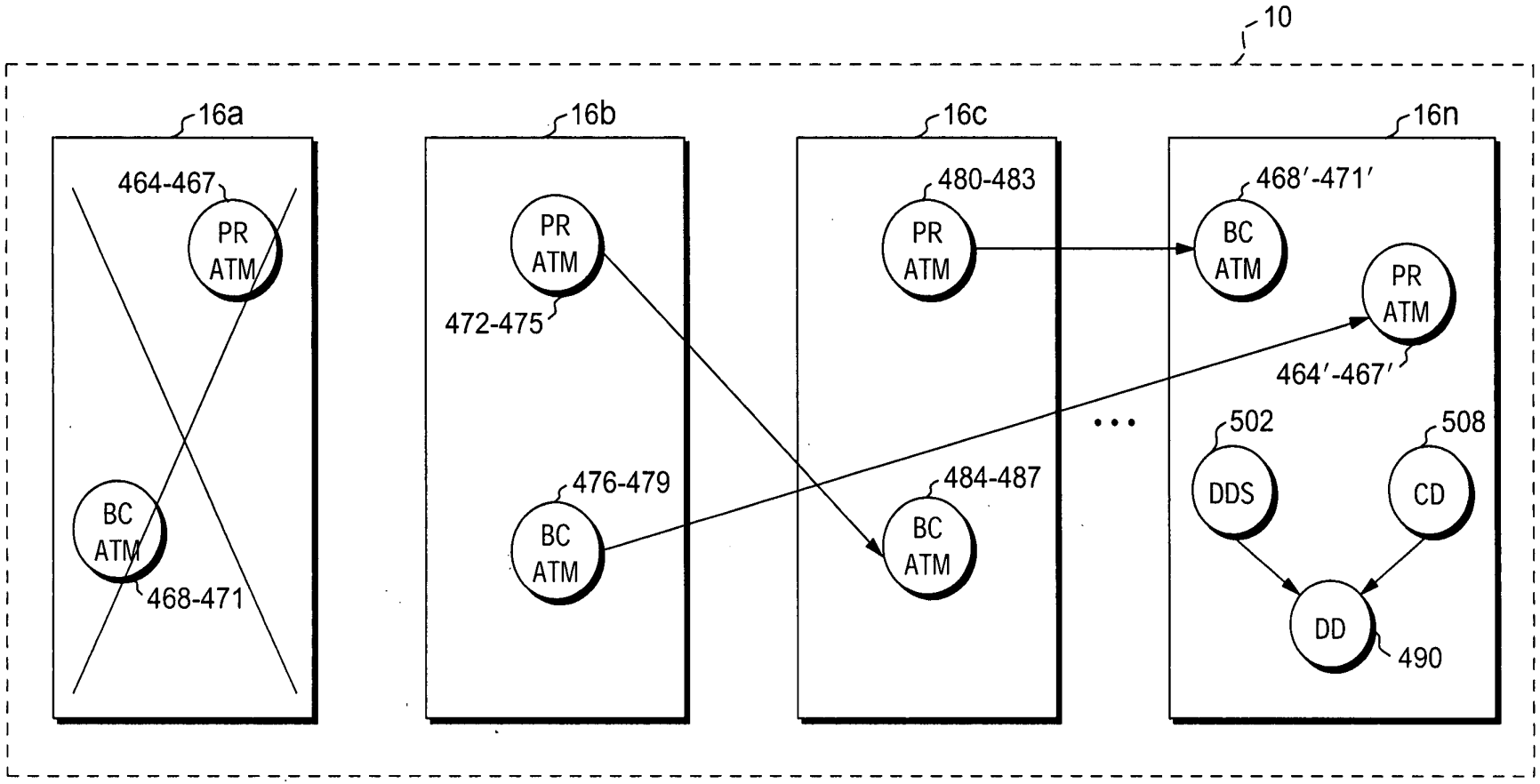

10
16a
16b
16c
16n
464-467
PR ATM
BC ATM
468-471
PR ATM
472-475
BC ATM
476-479
480-483
PR ATM
BC ATM
484-487
468′-471′
BC ATM
PR ATM
464′-467′
502
DDS
508
CD
DD
490

FIG. 33B

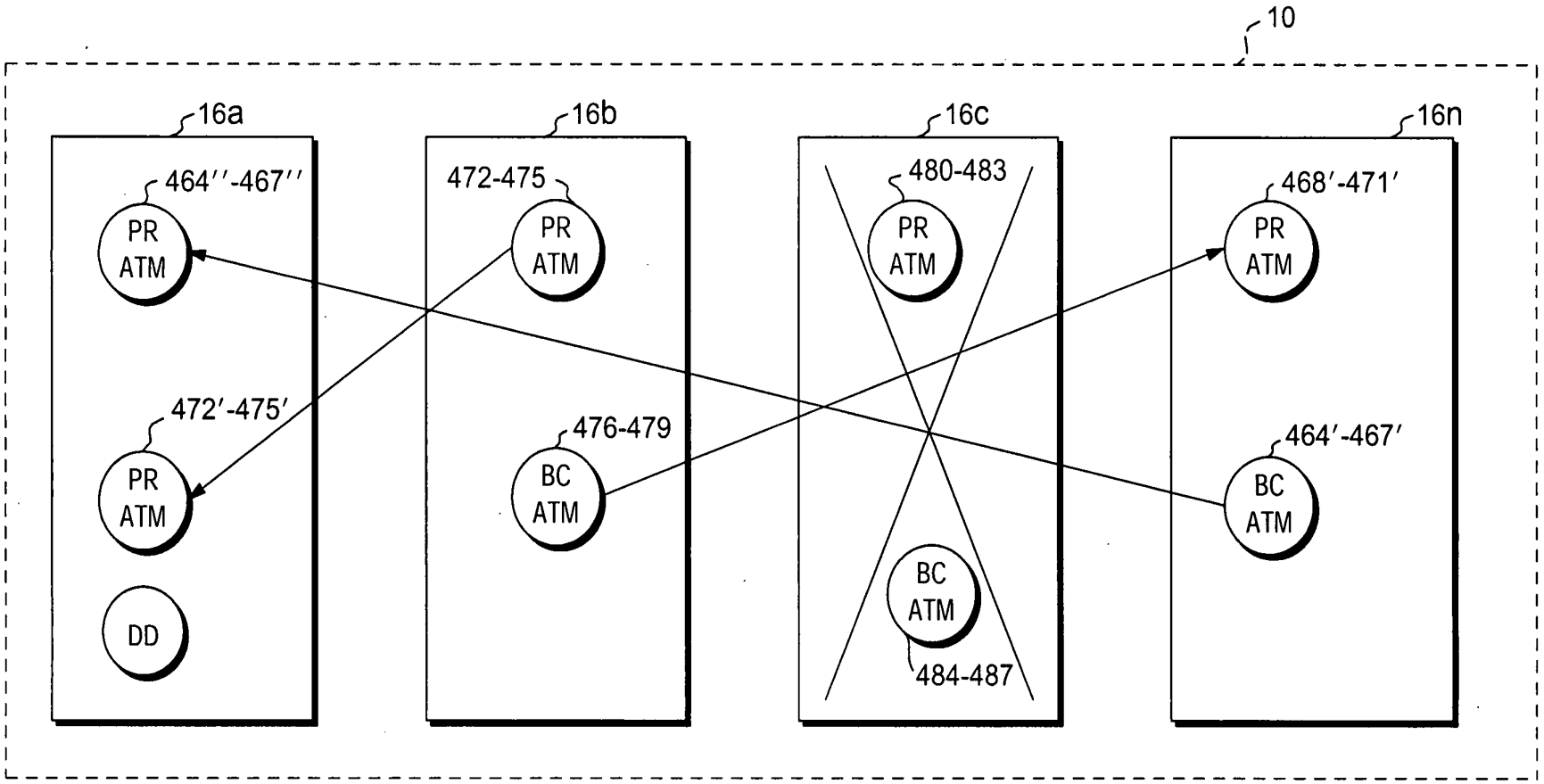

10
16a
16b
16c
16n
464''-467''
PR ATM
472'-475'
PR ATM
DD
472-475
PR ATM
476-479
BC ATM
480-483
PR ATM
BC ATM
484-487
468'-471'
PR ATM
464'-467'
BC ATM

FIG. 33D

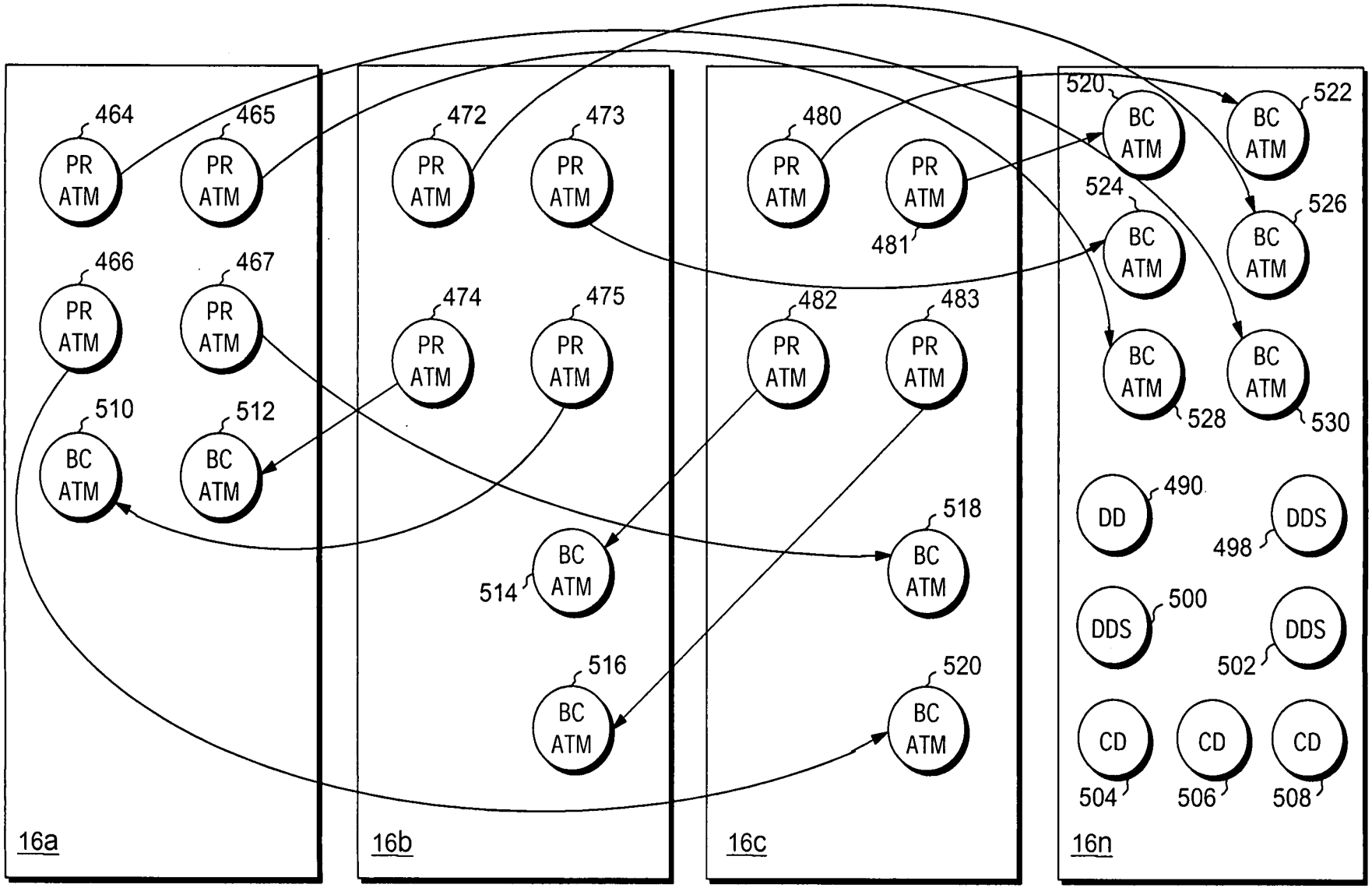

464
PR ATM
465
PR ATM
466
PR ATM
467
PR ATM
510
BC ATM
512
BC ATM
16a
472
PR ATM
473
PR ATM
474
PR ATM
475
PR ATM
514
BC ATM
516
BC ATM
16b
480
PR ATM
481
PR ATM
482
PR ATM
483
PR ATM
518
BC ATM
520
BC ATM
16c
520
BC ATM
522
BC ATM
524
BC ATM
526
BC ATM
528
BC ATM
530
BC ATM
490
DD
498
DDS
500
DDS
502
DDS
504
CD
506
CD
508
CD
16n

FIG. 34A

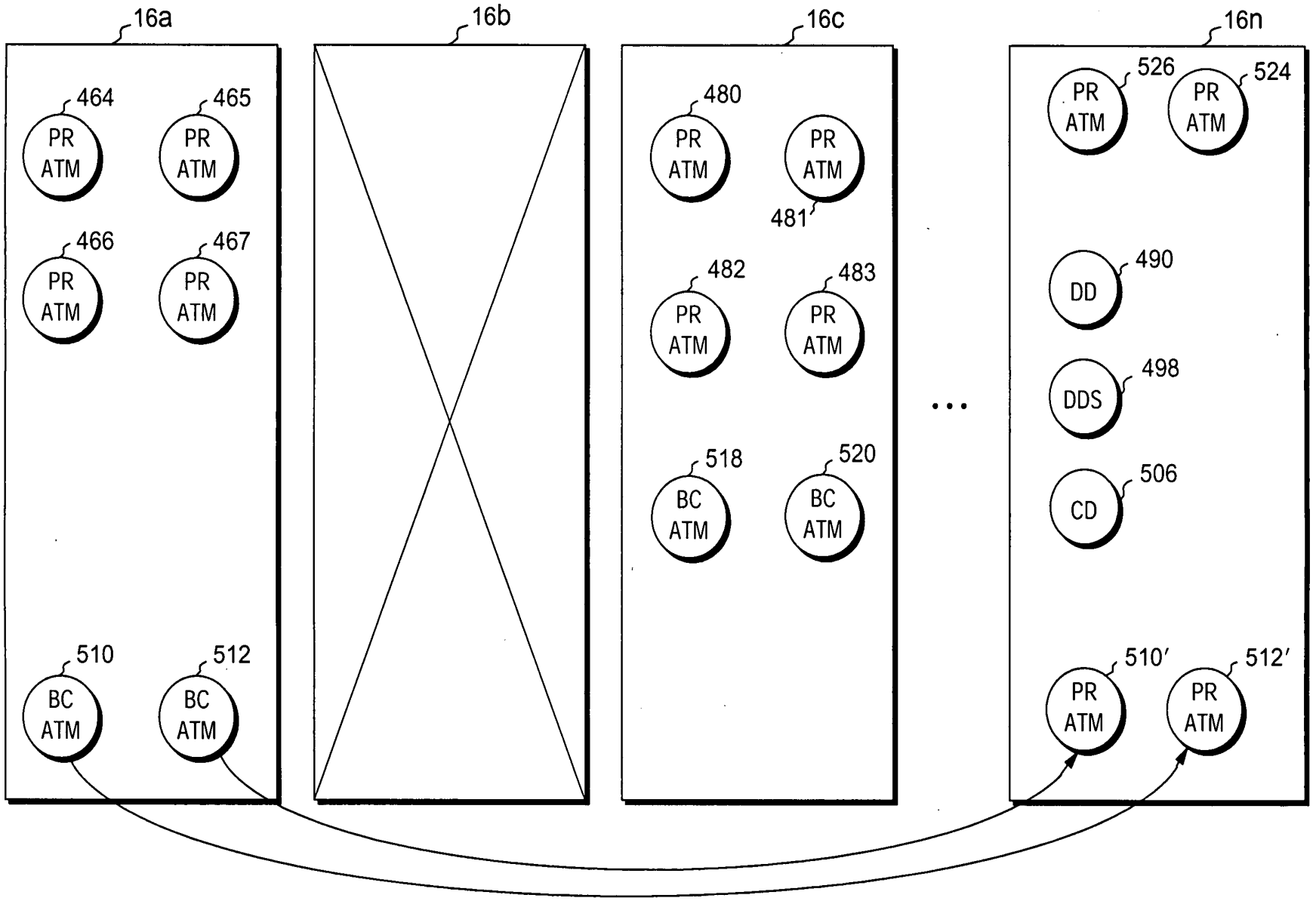

16a
16b
16c
16n
464
PR ATM
465
PR ATM
466
PR ATM
467
PR ATM
510
BC ATM
512
BC ATM
480
PR ATM
481'
PR ATM
482
PR ATM
483
PR ATM
518
BC ATM
520
BC ATM
526
PR ATM
524
PR ATM
490
DD
498
DDS
506
CD
510'
PR ATM
512'
PR ATM

FIG. 34B

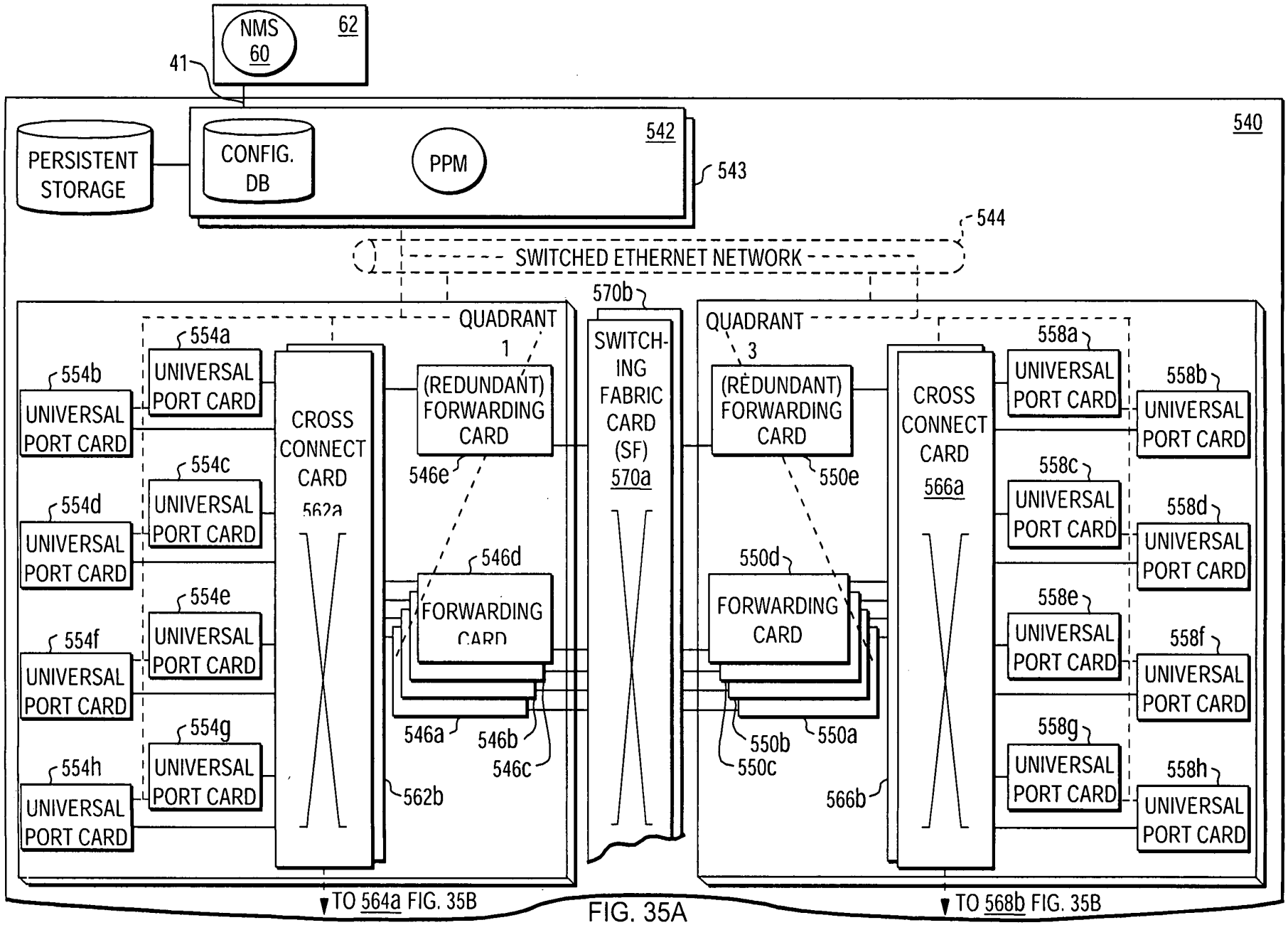

NMS 60
62
41
PERSISTENT STORAGE
CONFIG. DB
PPM
542
543
540
544
SWITCHED ETHERNET NETWORK
570b
QUADRANT 1
QUADRANT 3
SWITCH-ING FABRIC CARD (SF) 570a
554a
554b
554c
554d
554e
554f
554g
554h
UNIVERSAL PORT CARD
CROSS CONNECT CARD 562a
562b
(REDUNDANT) FORWARDING CARD
546e
546d
FORWARDING CARD
546a
546b
546c
550e
550d
550b
550c
550a
566b
CROSS CONNECT CARD 566a
558a
558b
558c
558d
558e
558f
558g
558h
TO 564a FIG. 35B
TO 568b FIG. 35B

FIG. 35A

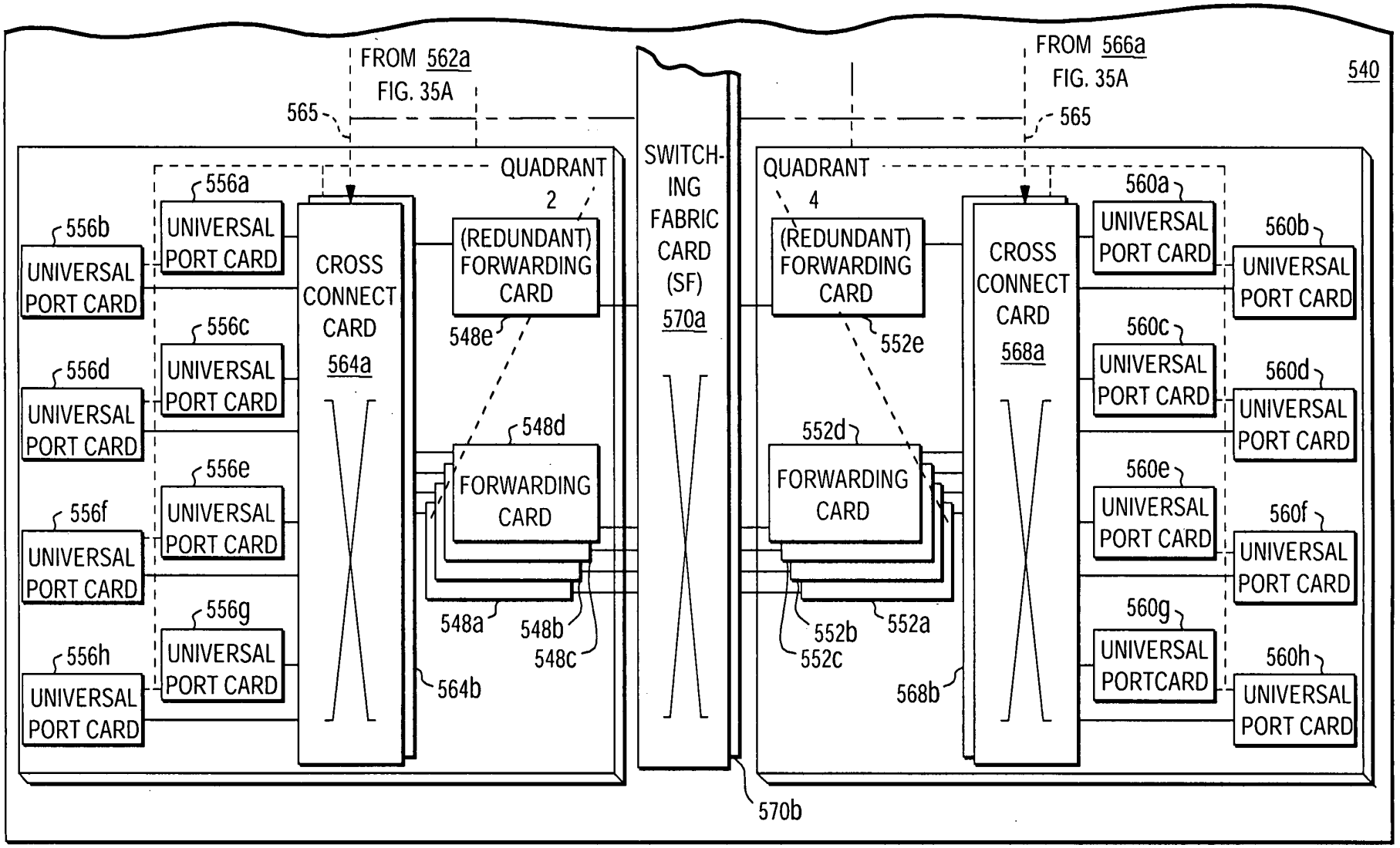

FROM 562a
FIG. 35A
565
QUADRANT
2
556a
UNIVERSAL PORT CARD
556b
UNIVERSAL PORT CARD
556c
UNIVERSAL PORT CARD
556d
UNIVERSAL PORT CARD
556e
UNIVERSAL PORT CARD
556f
UNIVERSAL PORT CARD
556g
UNIVERSAL PORT CARD
556h
UNIVERSAL PORT CARD
CROSS CONNECT CARD
564a
564b
(REDUNDANT) FORWARDING CARD
548e
548d
FORWARDING CARD
548a
548b
548c
SWITCH-ING FABRIC CARD (SF)
570a
570b
FROM 566a
FIG. 35A
565
540
QUADRANT
4
(REDUNDANT) FORWARDING CARD
552e
552d
FORWARDING CARD
552b
552a
552c
CROSS CONNECT CARD
568a
568b
560a
UNIVERSAL PORT CARD
560b
UNIVERSAL PORT CARD
560c
UNIVERSAL PORT CARD
560d
UNIVERSAL PORT CARD
560e
UNIVERSAL PORT CARD
560f
UNIVERSAL PORT CARD
560g
UNIVERSAL PORTCARD
560h
UNIVERSAL PORT CARD

FIG. 35B

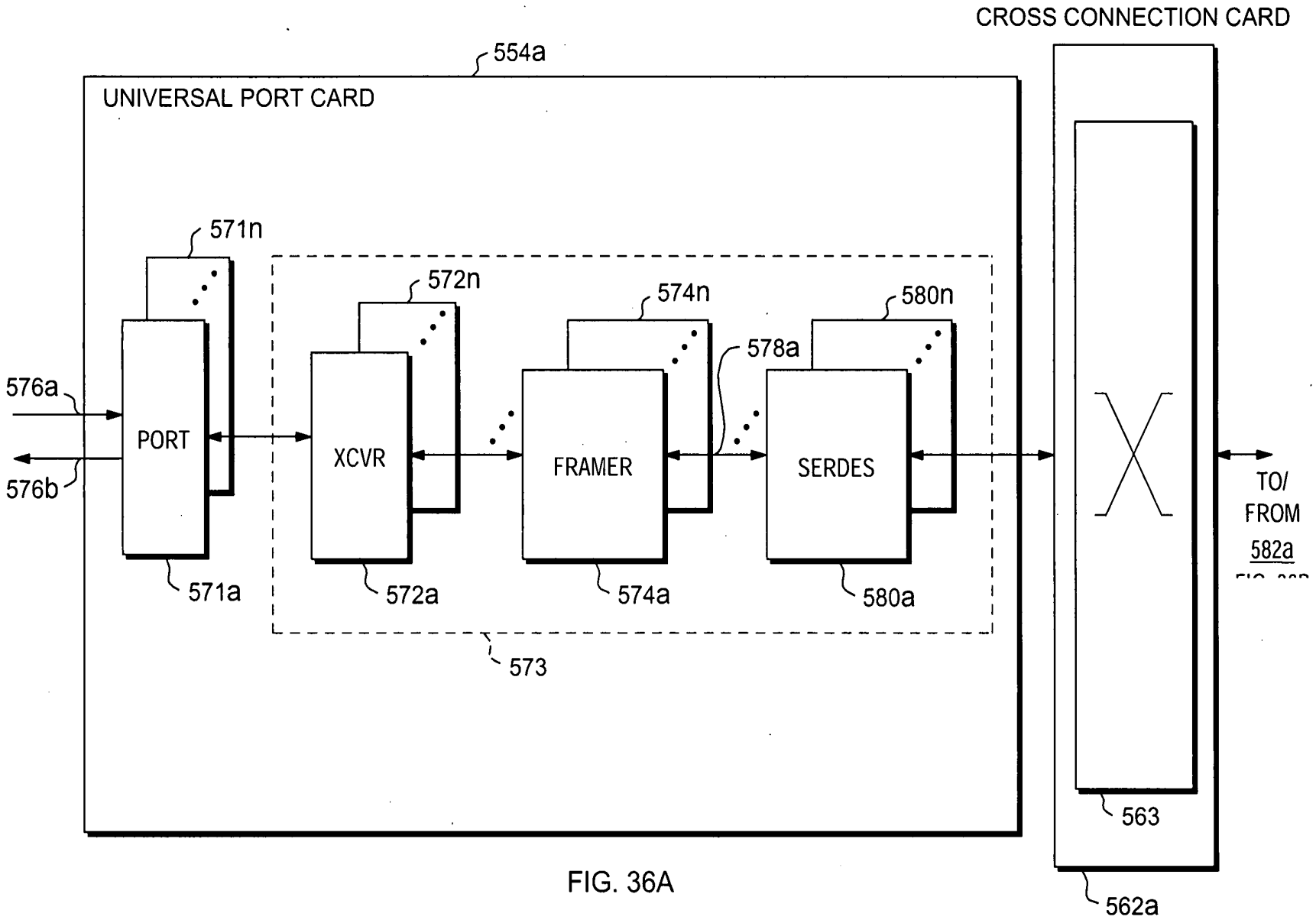

CROSS CONNECTION CARD
554a
UNIVERSAL PORT CARD
571n
572n
574n
580n
578a
576a
576b
PORT
XCVR
FRAMER
SERDES
TO/
FROM
582a
571a
572a
574a
580a
573
563
562a

FIG. 36A

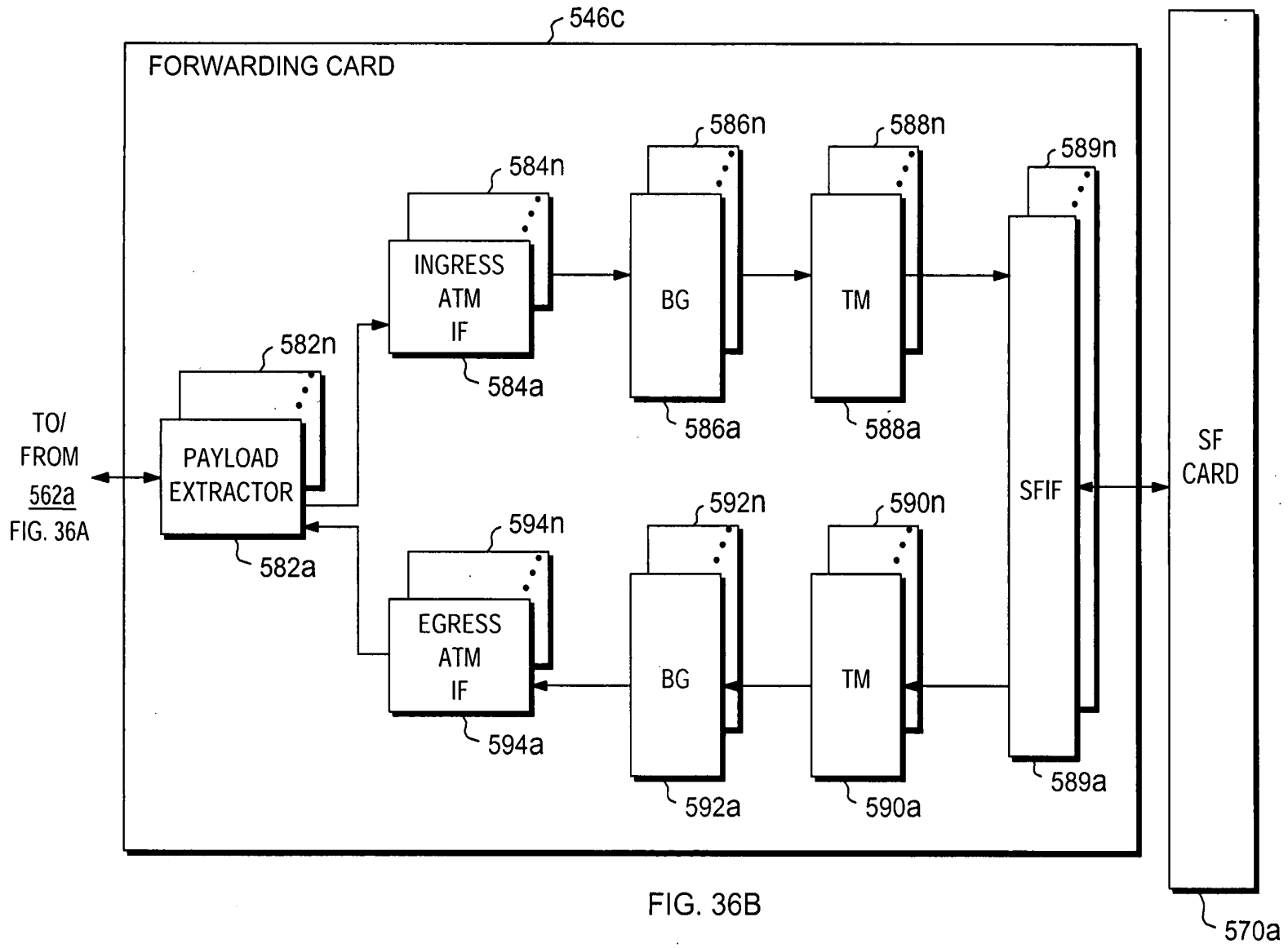

546c
FORWARDING CARD
586n
588n
589n
584n
INGRESS
ATM
IF
BG
TM
582n
584a
586a
588a
TO/
FROM
562a
FIG. 36A
PAYLOAD
EXTRACTOR
SFIF
SF
CARD
582a
592n
590n
594n
EGRESS
ATM
IF
BG
TM
594a
592a
590a
589a
570a

FIG. 36B

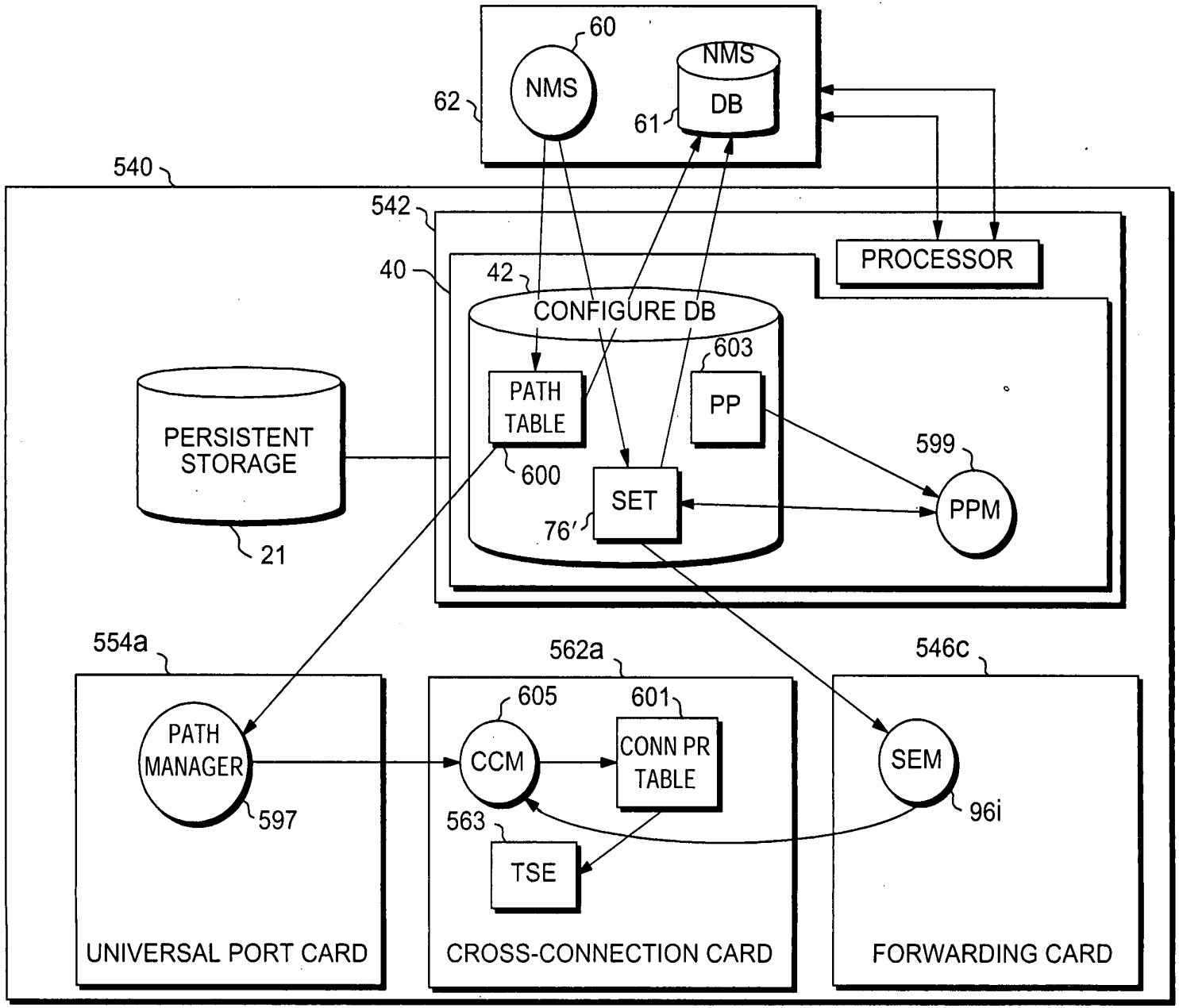

60
NMS
NMS
DB
62
61
540
542
PROCESSOR
40
42
CONFIGURE DB
603
PATH
TABLE
PP
PERSISTENT
STORAGE
599
600
SET
PPM
76'
21
554a
562a
546c
605
601
PATH
MANAGER
CCM
CONN PR
TABLE
SEM
96i
563
TSE
597
UNIVERSAL PORT CARD
CROSS-CONNECTION CARD
FORWARDING CARD

FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

			606	608	610		
	SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
604	878	1				1666	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

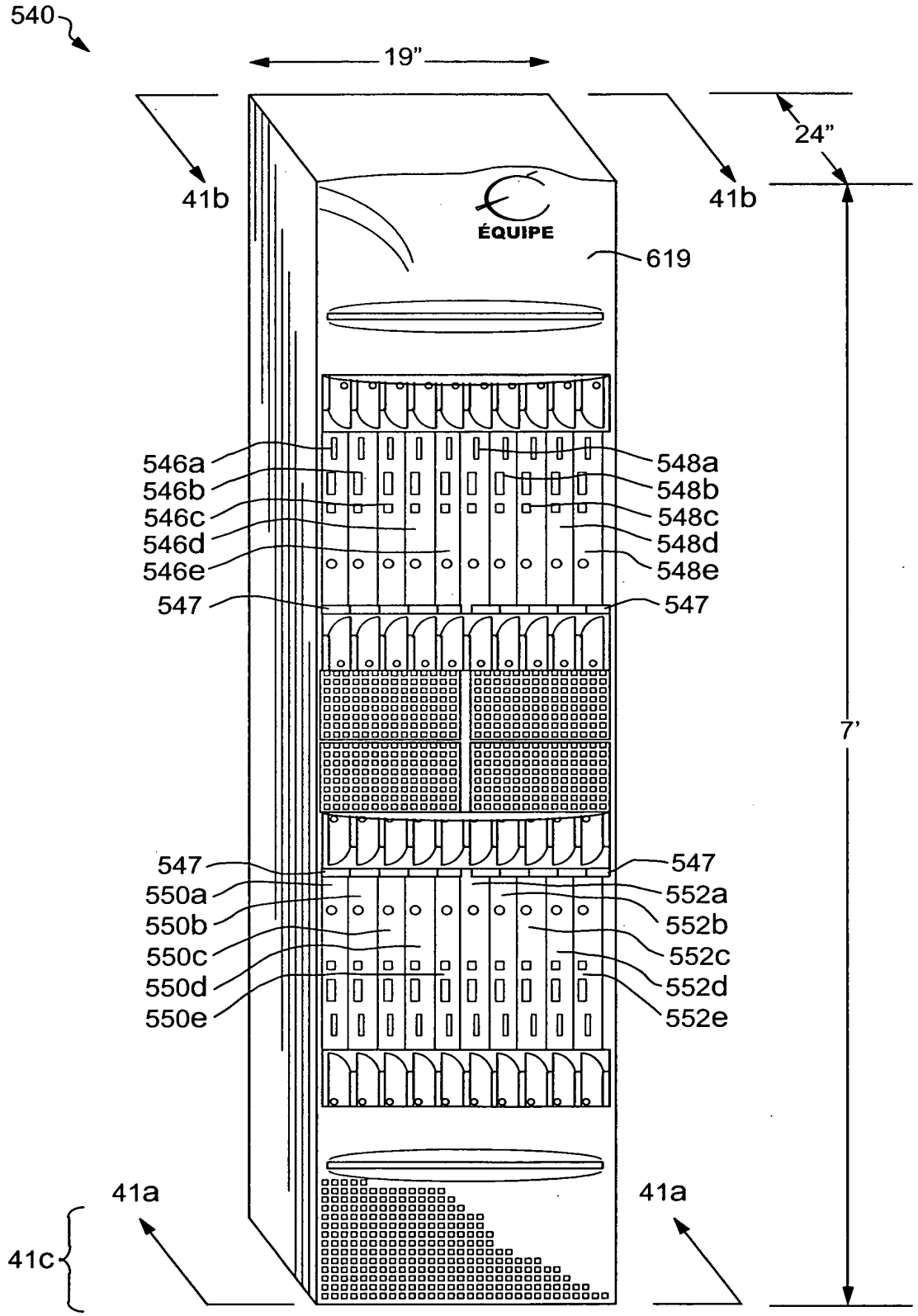

540
19"
24"
41b
41b
ÉQUIPE
619
546a
546b
546c
546d
546e
548a
548b
548c
548d
548e
547
547
7'
547
547
550a
550b
550c
550d
550e
552a
552b
552c
552d
552e
41a
41a
41c

FIG. 40

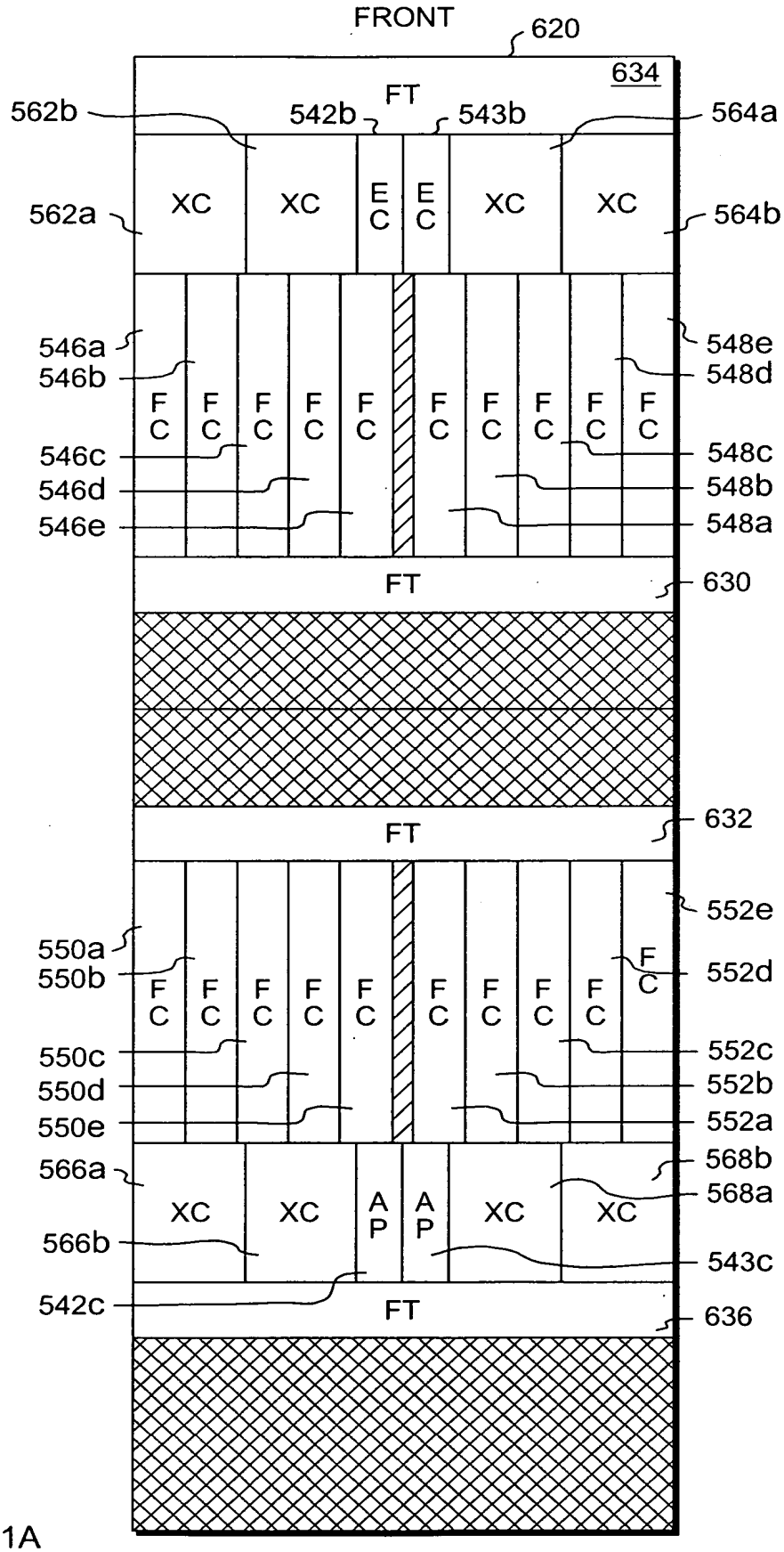

FRONT
620
634
FT
562b
542b
543b
564a
XC
XC
EC
EC
XC
XC
562a
564b
546a
546b
548e
548d
FC
548c
546c
546d
546e
548b
548a
FT
630
FT
632
552e
550a
550b
552d
550c
552c
550d
552b
550e
552a
566a
568b
568a
AP
566b
543c
542c
636

FIG. 41A

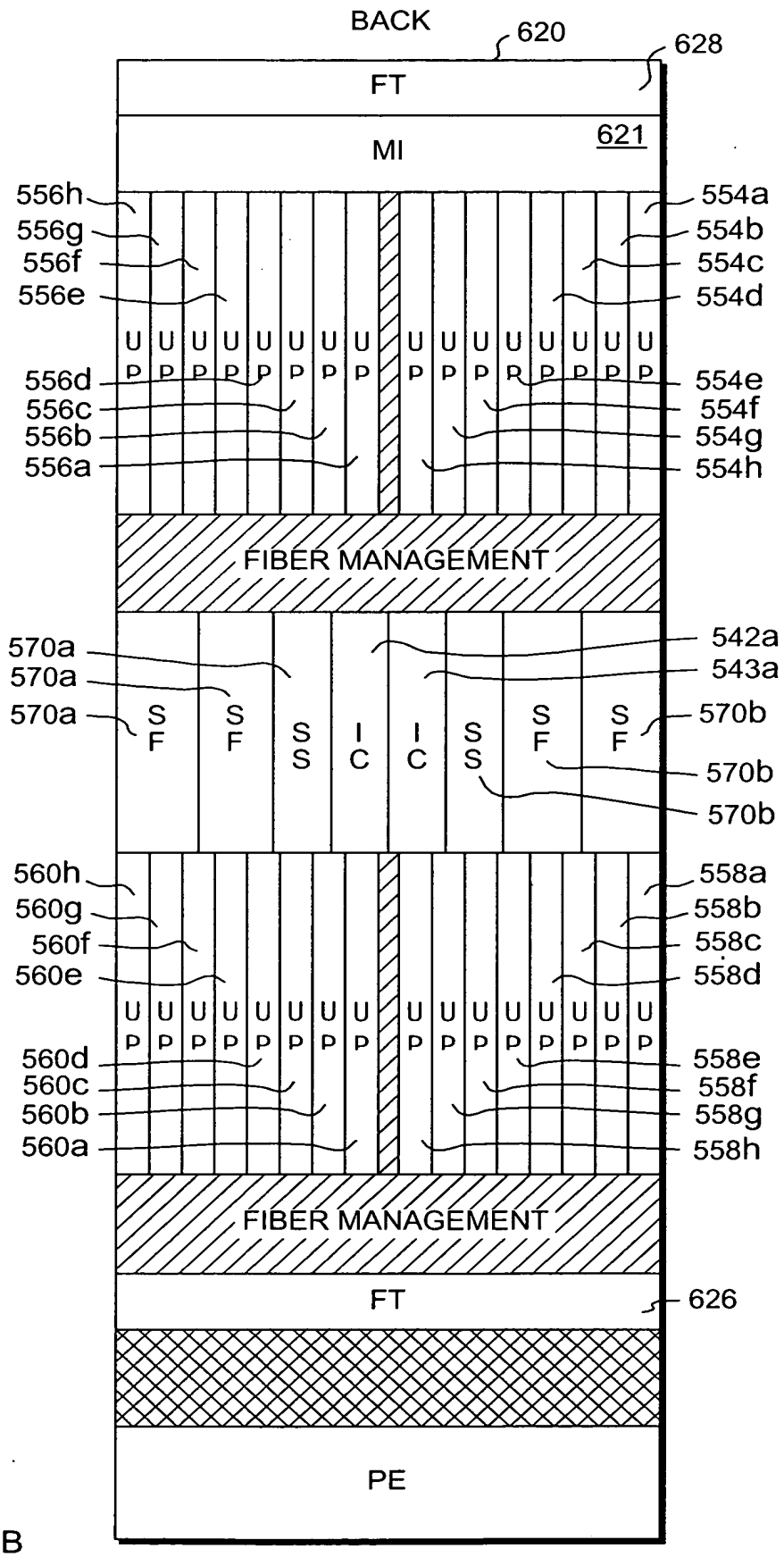

BACK
620
628
FT
MI
621
556h
556g
556f
556e
554a
554b
554c
554d
UP
556d
556c
556b
556a
554e
554f
554g
554h
FIBER MANAGEMENT
570a
570a
570a
542a
543a
SF
SS
IC
570b
570b
570b
560h
560g
560f
560e
558a
558b
558c
558d
560d
560c
560b
560a
558e
558f
558g
558h
FIBER MANAGEMENT
FT
626
PE

FIG. 41B

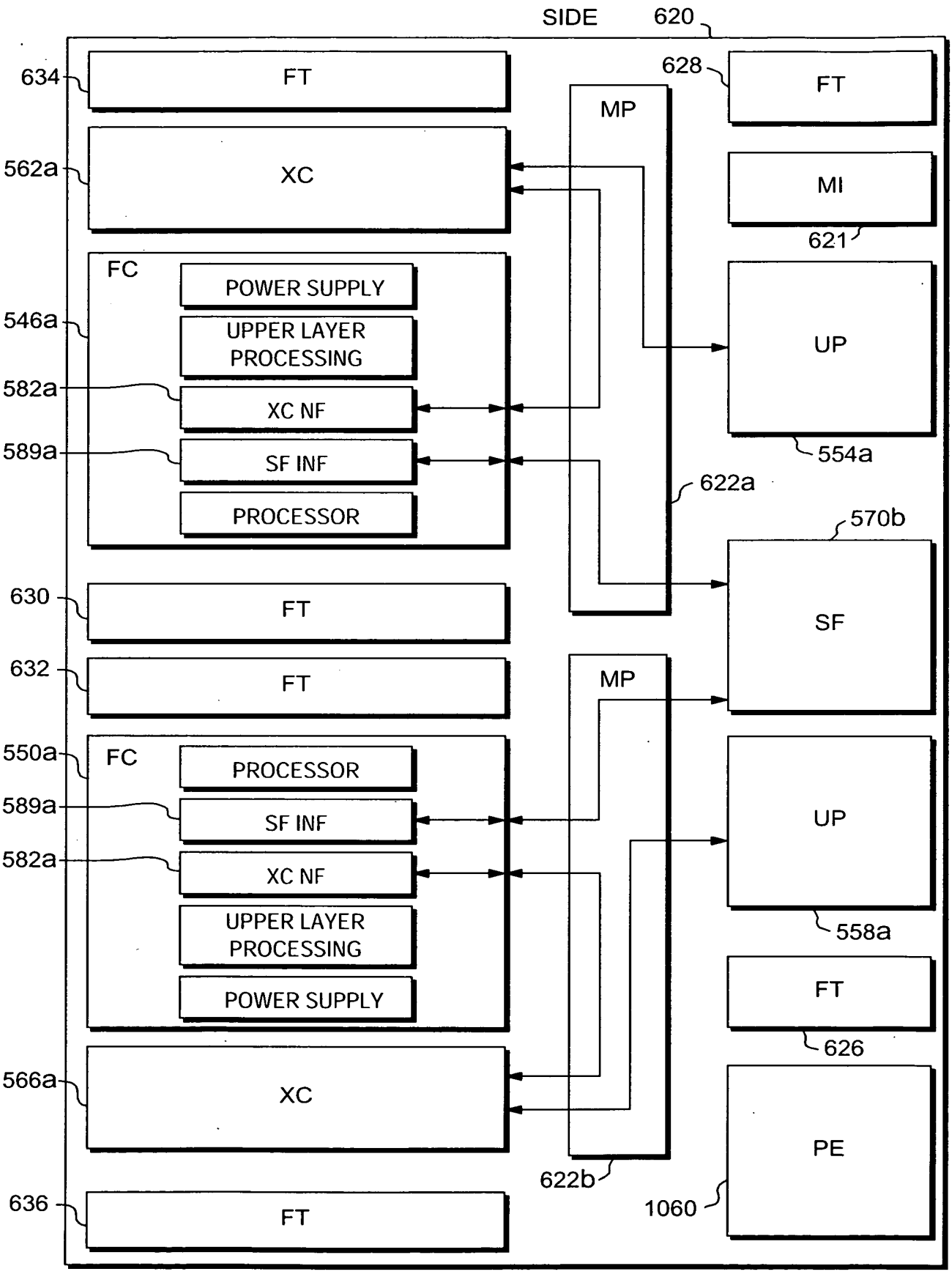

SIDE
620
634
FT
628
FT
MP
562a
XC
MI
621
FC
POWER SUPPLY
546a
UPPER LAYER PROCESSING
UP
582a
XC NF
589a
SF INF
554a
622a
PROCESSOR
570b
630
FT
SF
632
FT
MP
550a
FC
PROCESSOR
589a
SF INF
UP
582a
XC NF
UPPER LAYER PROCESSING
558a
POWER SUPPLY
FT
626
566a
XC
PE
622b
1060
636
FT

FIG. 41C

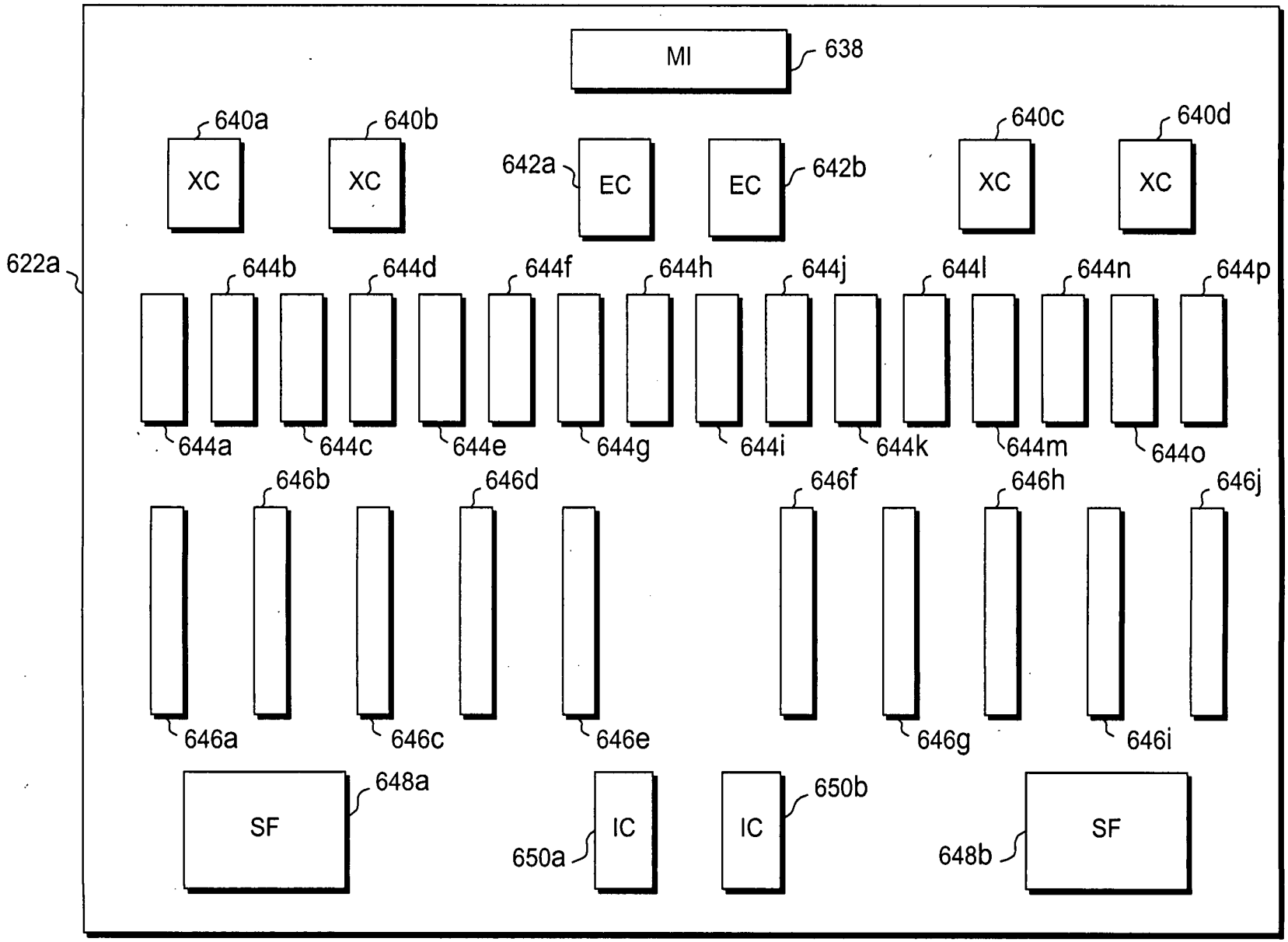

MI
638
640a
640b
640c
640d
XC
XC
642a
EC
EC
642b
XC
XC
622a
644b
644d
644f
644h
644j
644l
644n
644p
644a
644c
644e
644g
644i
644k
644m
644o
646b
646d
646f
646h
646j
646a
646c
646e
646g
646i
SF
648a
650a
IC
IC
650b
648b
SF

FIG. 42A

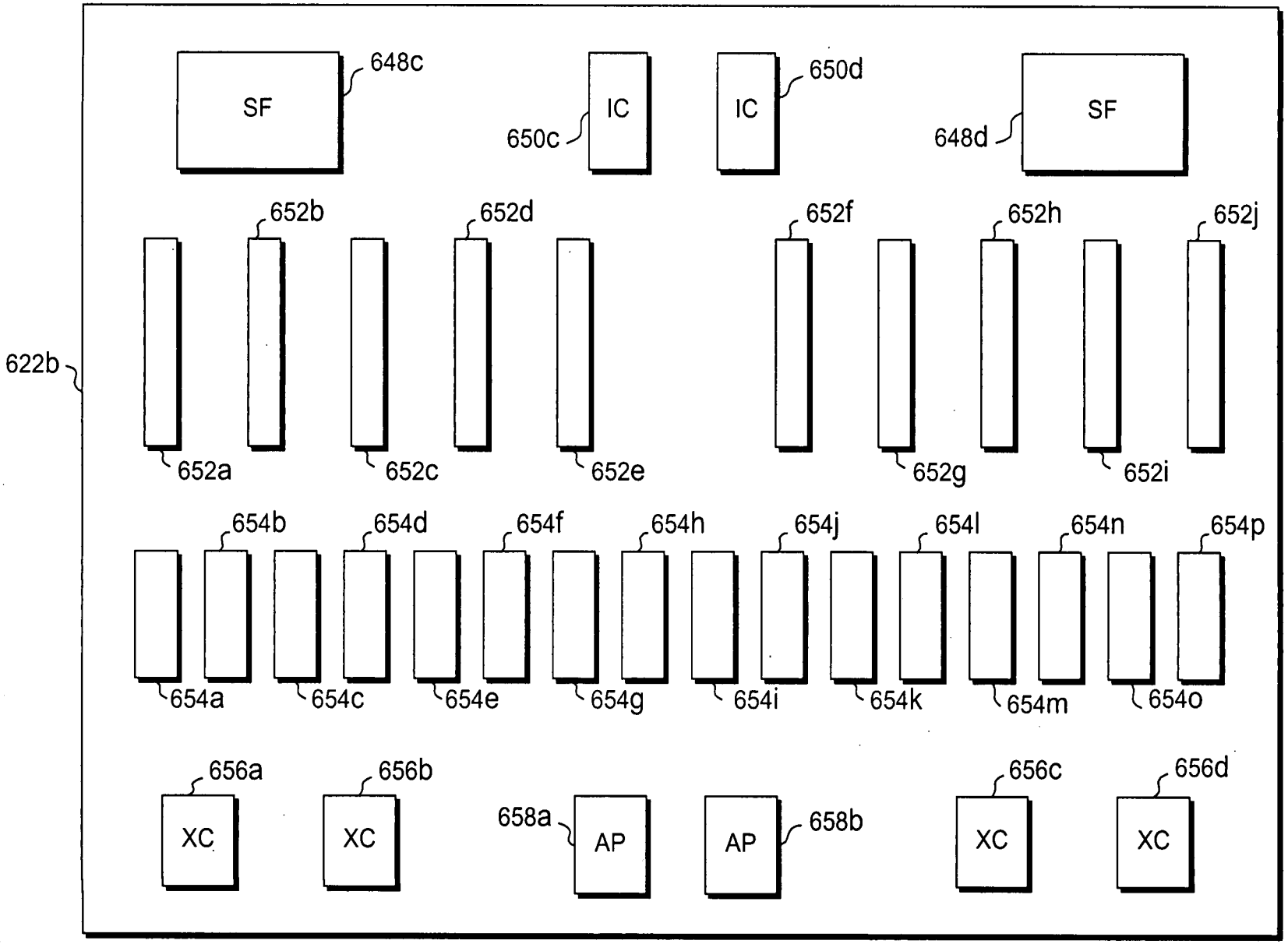

622b
SF
648c
IC
650c
IC
650d
SF
648d
652a
652b
652c
652d
652e
652f
652g
652h
652i
652j
654a
654b
654c
654d
654e
654f
654g
654h
654i
654j
654k
654l
654m
654n
654o
654p
XC
656a
XC
656b
AP
658a
AP
658b
XC
656c
XC
656d

FIG. 42B

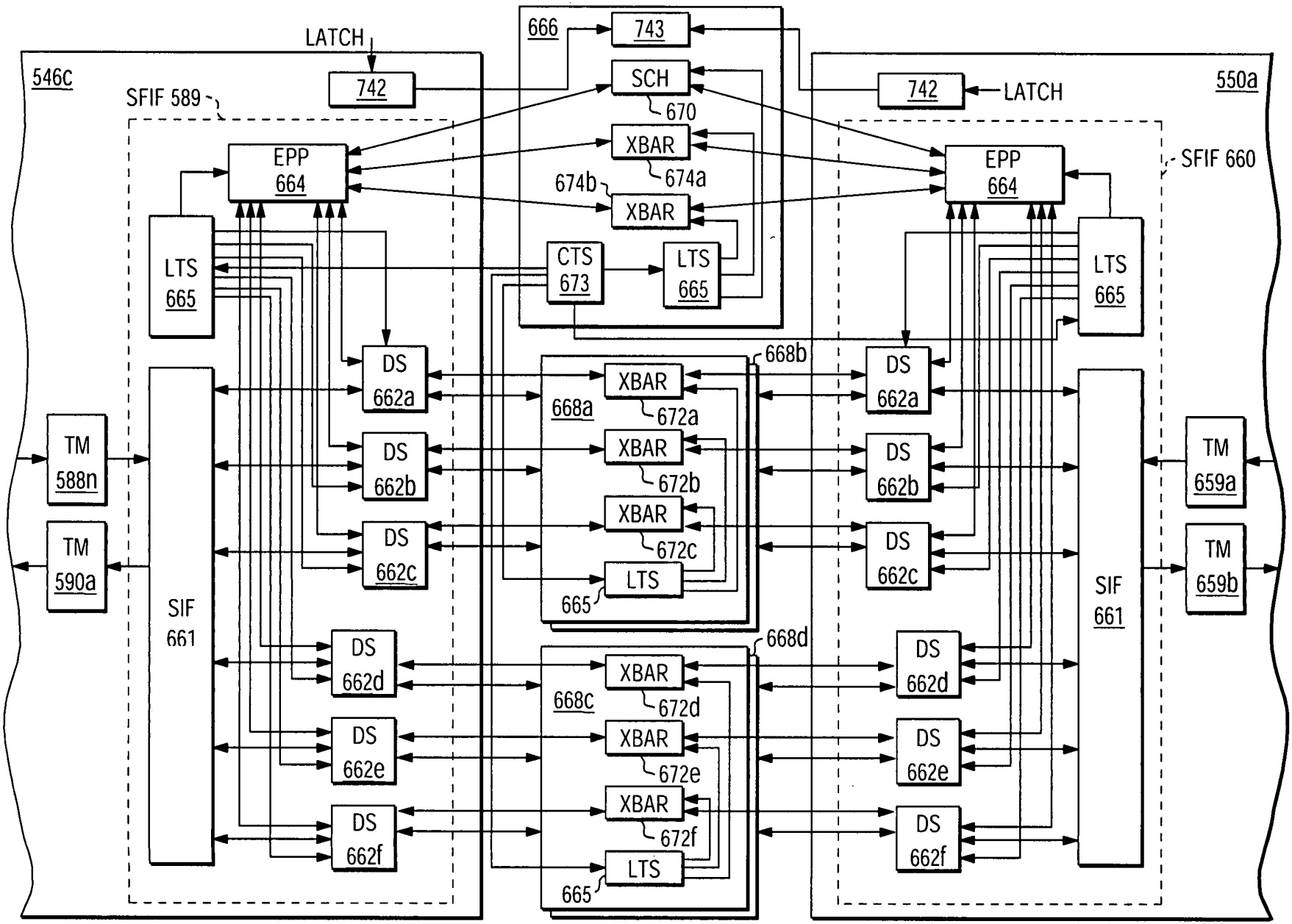

546c
SFIF 589
LATCH
742
666
743
SCH
670
XBAR
674a
674b
XBAR
CTS
673
LTS
665
742
LATCH
550a
SFIF 660
EPP
664
EPP
664
LTS
665
LTS
665
668b
668a
XBAR
672a
XBAR
672b
XBAR
672c
LTS
665
668d
668c
XBAR
672d
XBAR
672e
XBAR
672f
LTS
665
DS
662a
DS
662b
DS
662c
DS
662d
DS
662e
DS
662f
DS
662a
DS
662b
DS
662c
DS
662d
DS
662e
DS
662f
TM
588n
TM
590a
SIF
661
SIF
661
TM
659a
TM
659b

FIG. 43

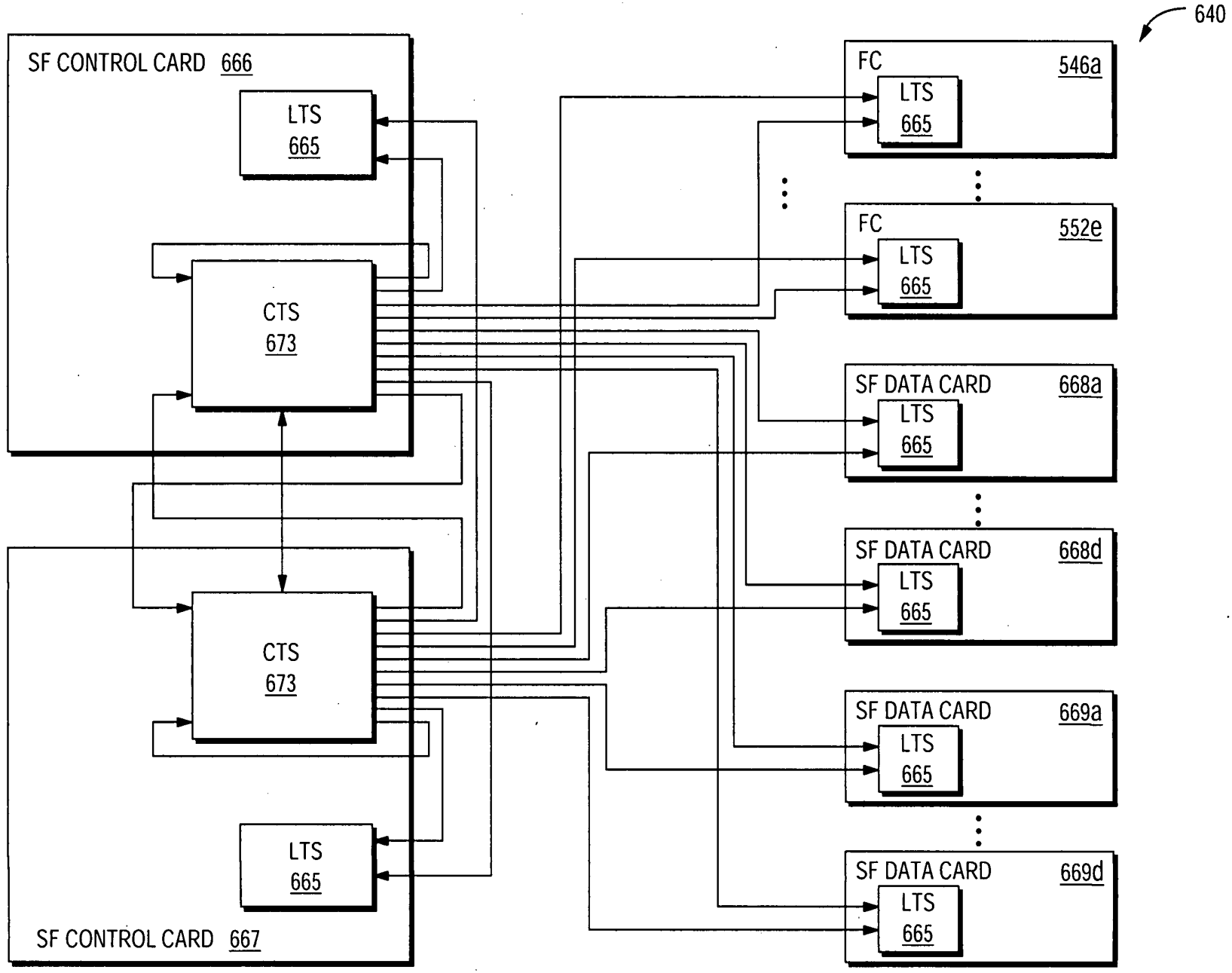

640
SF CONTROL CARD 666
LTS 665
CTS 673
CTS 673
LTS 665
SF CONTROL CARD 667
FC 546a
LTS 665
FC 552e
LTS 665
SF DATA CARD 668a
LTS 665
SF DATA CARD 668d
LTS 665
SF DATA CARD 669a
LTS 665
SF DATA CARD 669d
LTS 665

FIG. 44

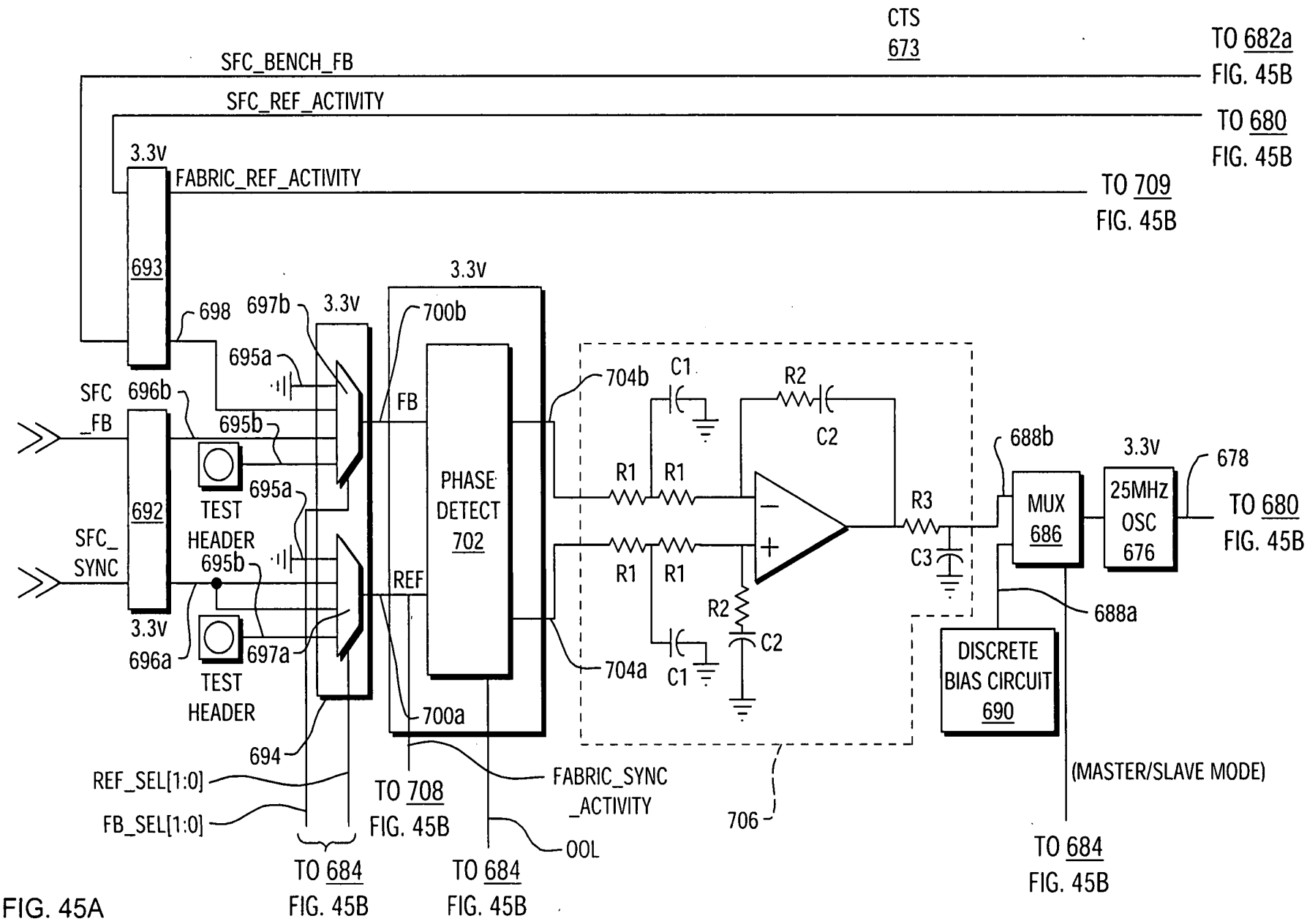

CTS
673
TO 682a
FIG. 45B
SFC_BENCH_FB
SFC_REF_ACTIVITY
TO 680
FIG. 45B
3.3V
FABRIC_REF_ACTIVITY
TO 709
FIG. 45B
693
3.3V
698
697b
3.3V
700b
695a
SFC
_FB
696b
695b
FB
704b
C1
R2
C2
R1
R1
688b
3.3V
678
TEST
HEADER
695a
692
PHASE
DETECT
702
MUX
686
25MHZ
OSC
676
TO 680
FIG. 45B
SFC_
SYNC
695b
R3
C3
R1
R1
REF
R2
C2
688a
3.3V
696a
697a
704a
C1
TEST
HEADER
DISCRETE
BIAS CIRCUIT
690
700a
694
(MASTER/SLAVE MODE)
REF_SEL[1:0]
FB_SEL[1:0]
TO 708
FIG. 45B
FABRIC_SYNC
_ACTIVITY
706
OOL
TO 684
FIG. 45B
TO 684
FIG. 45B
TO 684
FIG. 45B

FIG. 45A

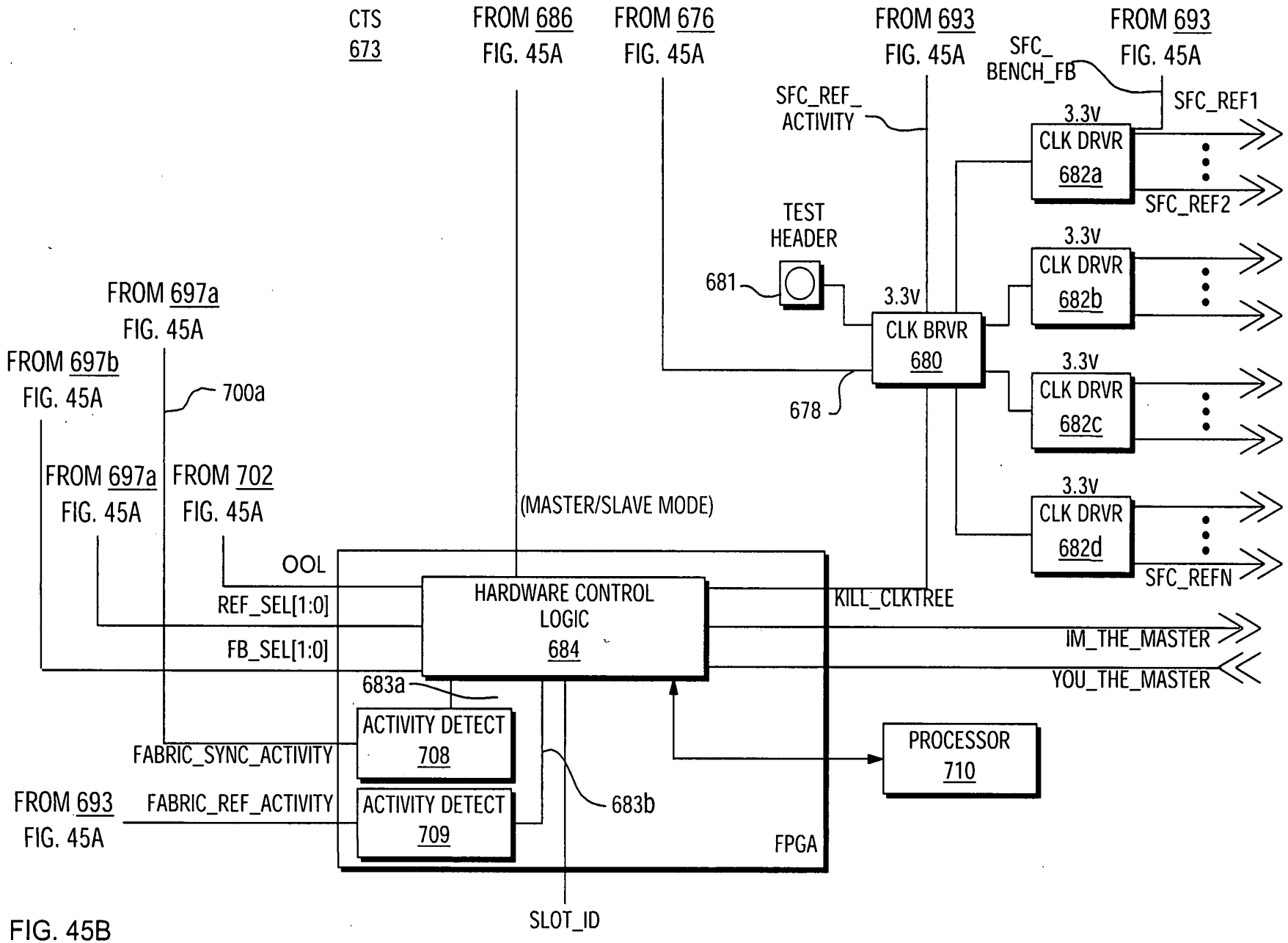

CTS
673
FROM 686
FIG. 45A
FROM 676
FIG. 45A
FROM 693
FIG. 45A
SFC_
BENCH_FB
FROM 693
FIG. 45A
SFC_REF_
ACTIVITY
SFC_REF1
3.3v
CLK DRVR
682a
SFC_REF2
TEST
HEADER
681
3.3v
CLK DRVR
682b
3.3v
CLK BRVR
680
678
3.3v
CLK DRVR
682c
FROM 697a
FIG. 45A
FROM 697b
FIG. 45A
700a
3.3v
CLK DRVR
682d
SFC_REFN
FROM 697a
FIG. 45A
FROM 702
FIG. 45A
(MASTER/SLAVE MODE)
OOL
REF_SEL[1:0]
FB_SEL[1:0]
HARDWARE CONTROL
LOGIC
684
KILL_CLKTREE
IM_THE_MASTER
YOU_THE_MASTER
683a
ACTIVITY DETECT
708
PROCESSOR
710
FABRIC_SYNC_ACTIVITY
FROM 693
FIG. 45A
FABRIC_REF_ACTIVITY
ACTIVITY DETECT
709
683b
FPGA
SLOT_ID

FIG. 45B

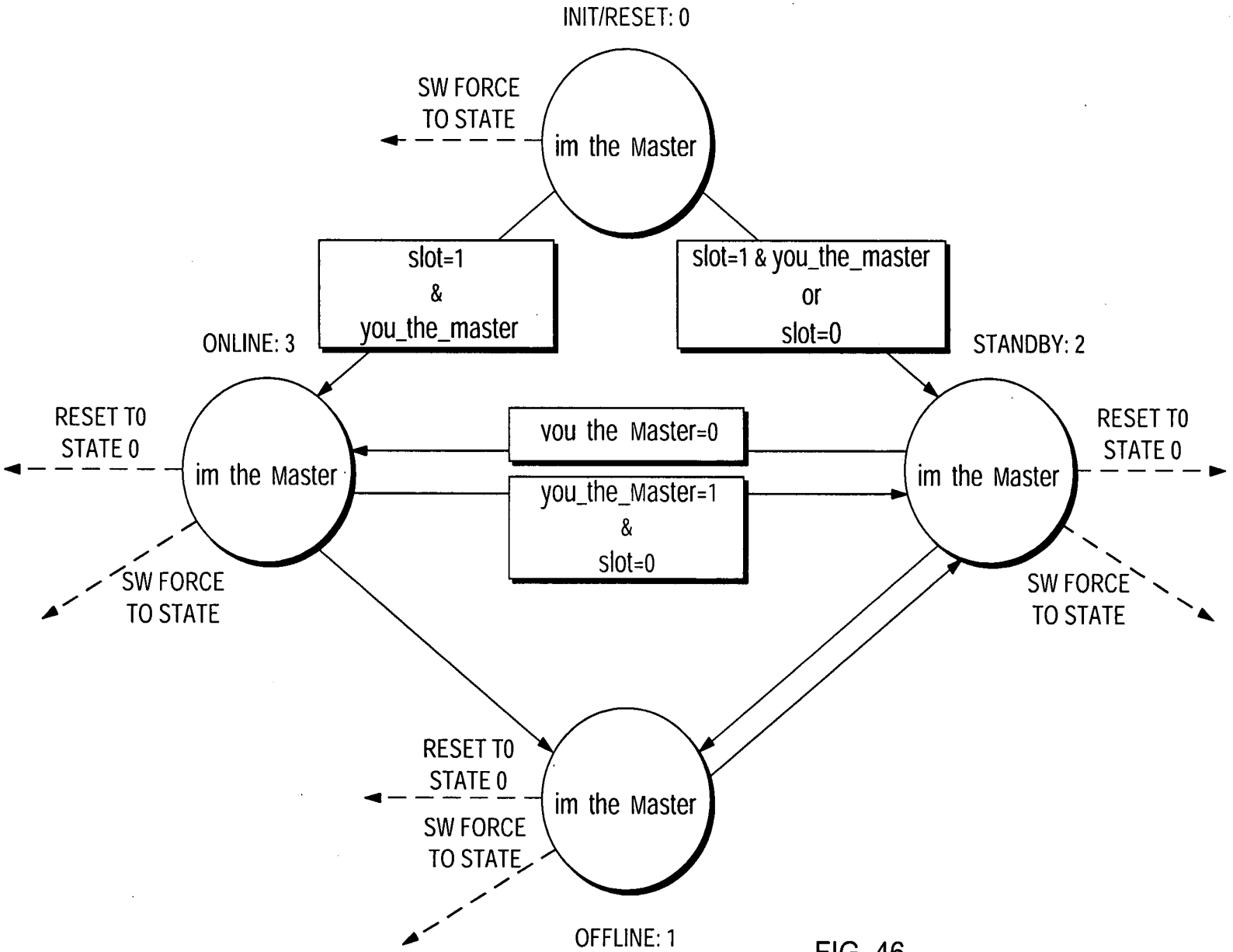

INIT/RESET: 0
SW FORCE TO STATE
im the Master
slot=1 & you_the_master
slot=1 & you_the_master or slot=0
ONLINE: 3
STANDBY: 2
RESET TO STATE 0
im the Master
vou the Master=0
you_the_Master=1 & slot=0
im the Master
RESET TO STATE 0
SW FORCE TO STATE
SW FORCE TO STATE
RESET TO STATE 0
im the Master
SW FORCE TO STATE
OFFLINE: 1

FIG. 46

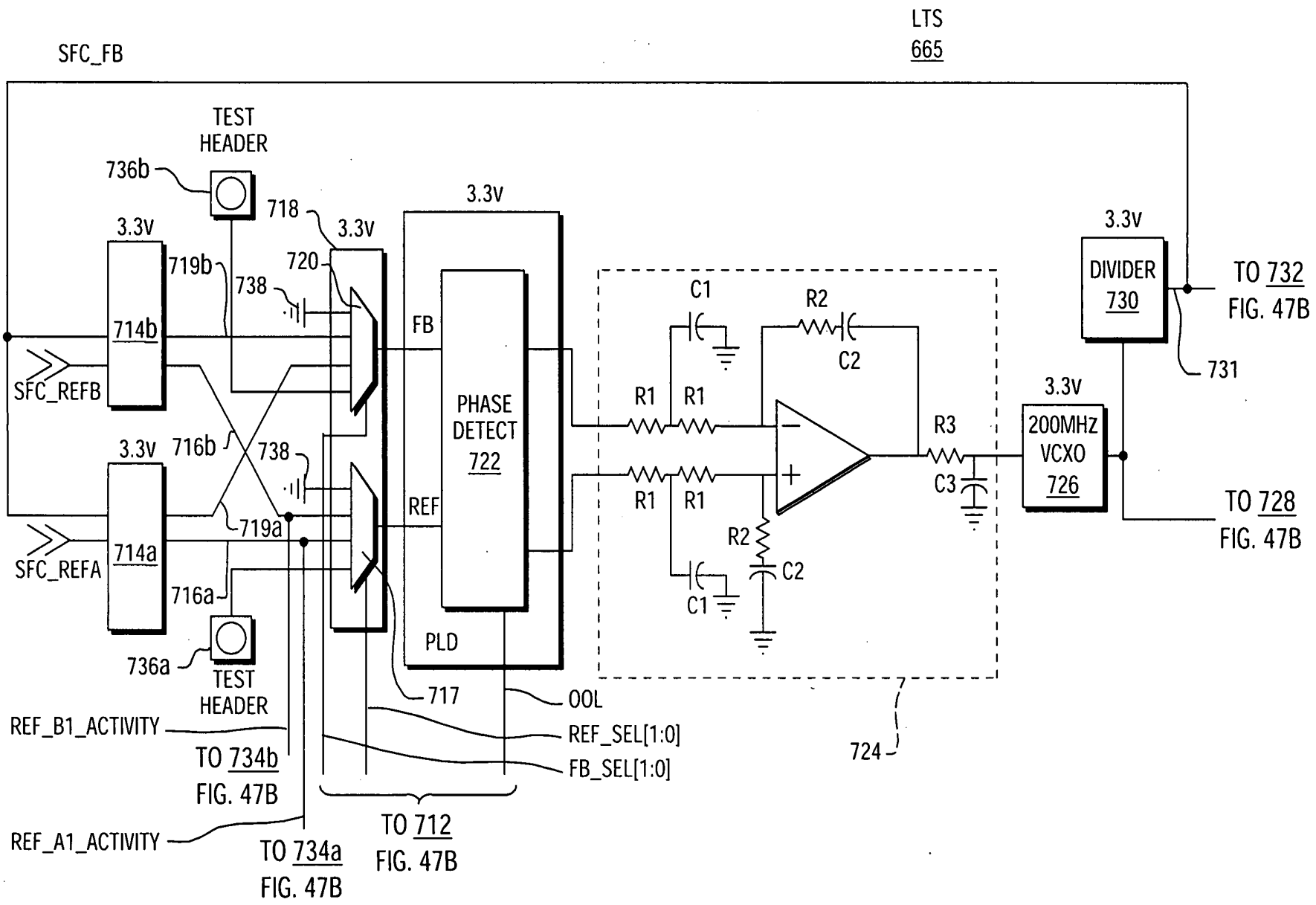

LTS
665
SFC_FB
TEST
HEADER
736b
718
3.3v
3.3v
720
719b
738
714b
SFC_REFB
3.3v
716b
738
719a
714a
SFC_REFA
716a
736a
TEST
HEADER
REF_B1_ACTIVITY
TO 734b
FIG. 47B
REF_A1_ACTIVITY
TO 734a
FIG. 47B
FB
REF
PHASE
DETECT
722
PLD
717
TO 712
FIG. 47B
OOL
REF_SEL[1:0]
FB_SEL[1:0]
C1
R2
C2
R1
R1
R1
R1
R2
C2
C1
724
R3
C3
3.3v
200MHz
VCXO
726
3.3v
DIVIDER
730
TO 732
FIG. 47B
731
TO 728
FIG. 47B

FIG. 47A

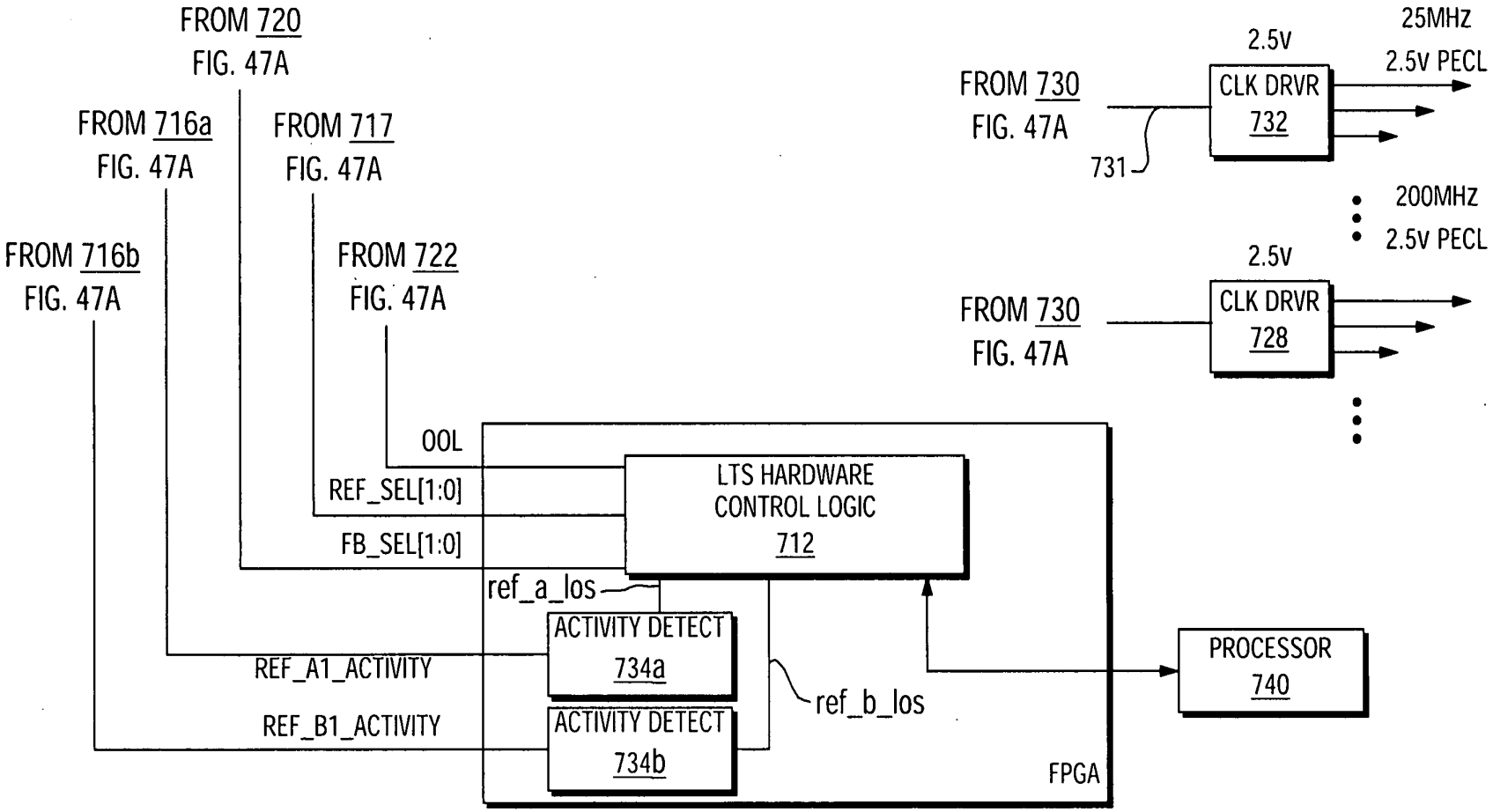

FROM 720
FIG. 47A
FROM 716a
FIG. 47A
FROM 717
FIG. 47A
FROM 716b
FIG. 47A
FROM 722
FIG. 47A
FROM 730
FIG. 47A
731
2.5v
CLK DRVR
732
25MHz
2.5v PECL
200MHz
2.5v PECL
FROM 730
FIG. 47A
2.5v
CLK DRVR
728
OOL
REF_SEL[1:0]
FB_SEL[1:0]
LTS HARDWARE
CONTROL LOGIC
712
ref_a_los
ACTIVITY DETECT
734a
REF_A1_ACTIVITY
REF_B1_ACTIVITY
ACTIVITY DETECT
734b
ref_b_los
PROCESSOR
740
FPGA

FIG. 47B

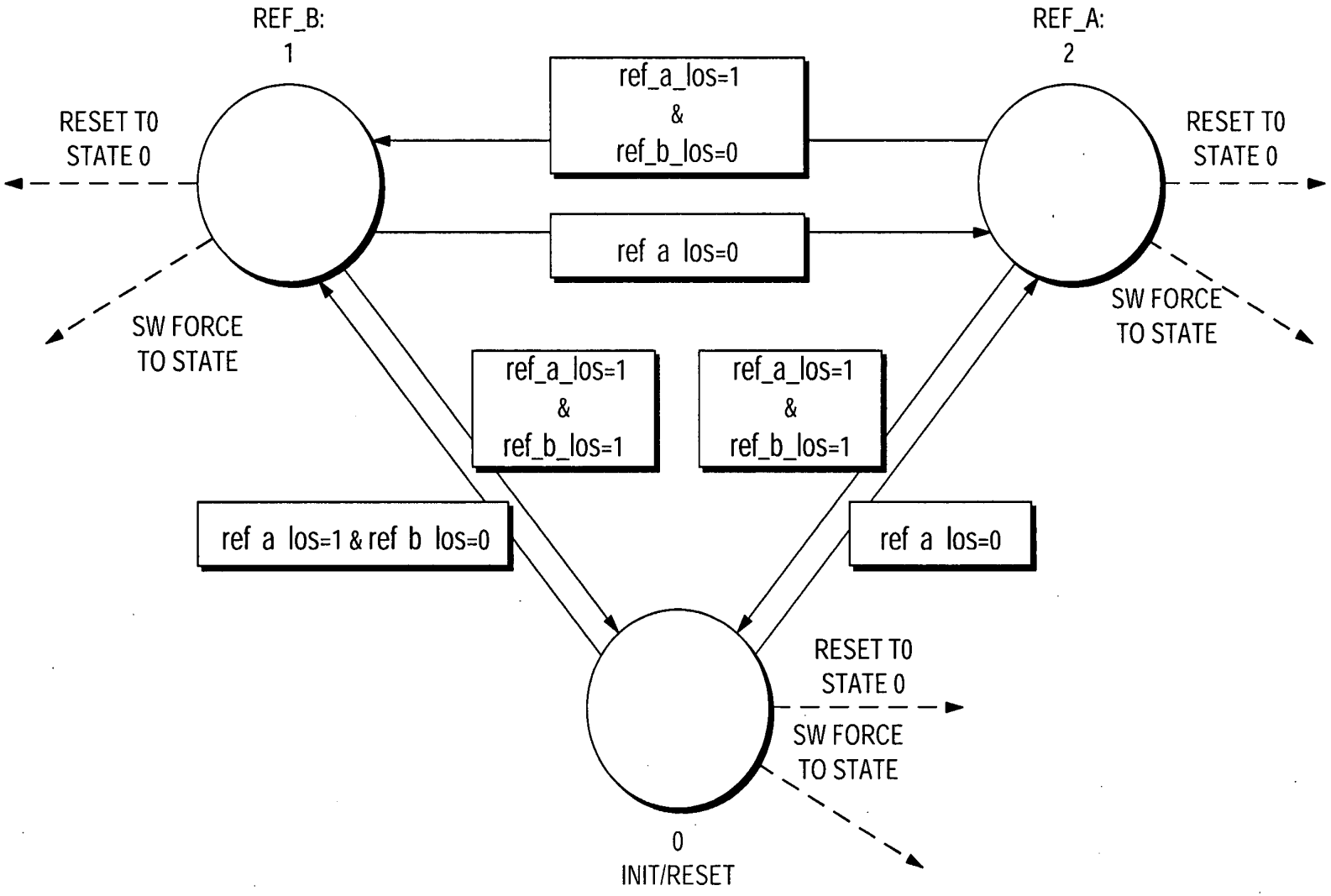

REF_B:
1
REF_A:
2
RESET TO
STATE 0
ref_a_los=1
&
ref_b_los=0
RESET TO
STATE 0
ref a los=0
SW FORCE
TO STATE
SW FORCE
TO STATE
ref_a_los=1
&
ref_b_los=1
ref_a_los=1
&
ref_b_los=1
ref a los=1 & ref b los=0
ref a los=0
RESET TO
STATE 0
SW FORCE
TO STATE
0
INIT/RESET

FIG. 48

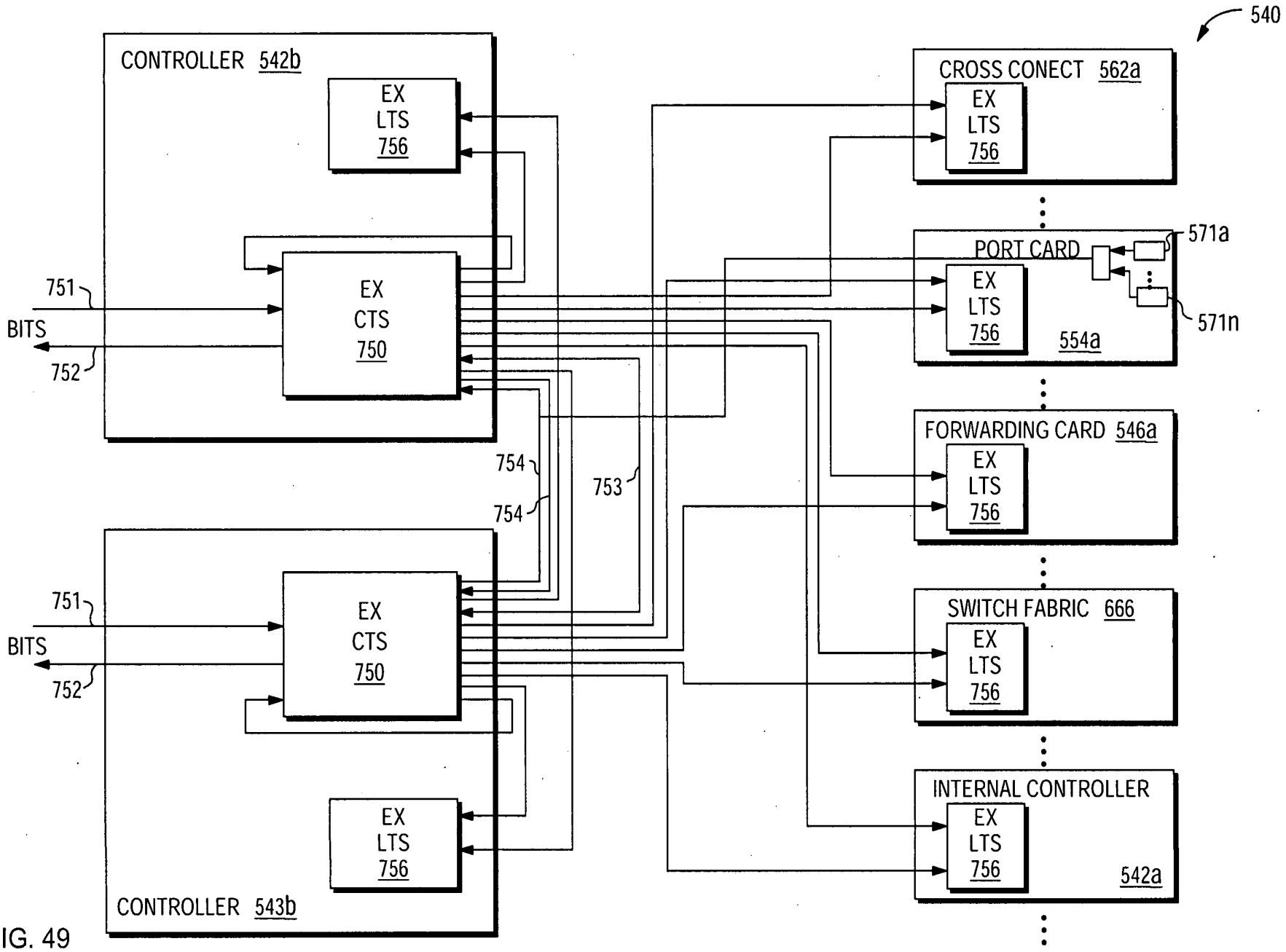

540
CONTROLLER 542b
EX
LTS
756
EX
CTS
750
751
BITS
752
754
754
753
CONTROLLER 543b
EX
LTS
756
EX
CTS
750
751
BITS
752
CROSS CONECT 562a
EX
LTS
756
PORT CARD
571a
571n
EX
LTS
756
554a
FORWARDING CARD 546a
EX
LTS
756
SWITCH FABRIC 666
EX
LTS
756
INTERNAL CONTROLLER
EX
LTS
756
542a

FIG. 49

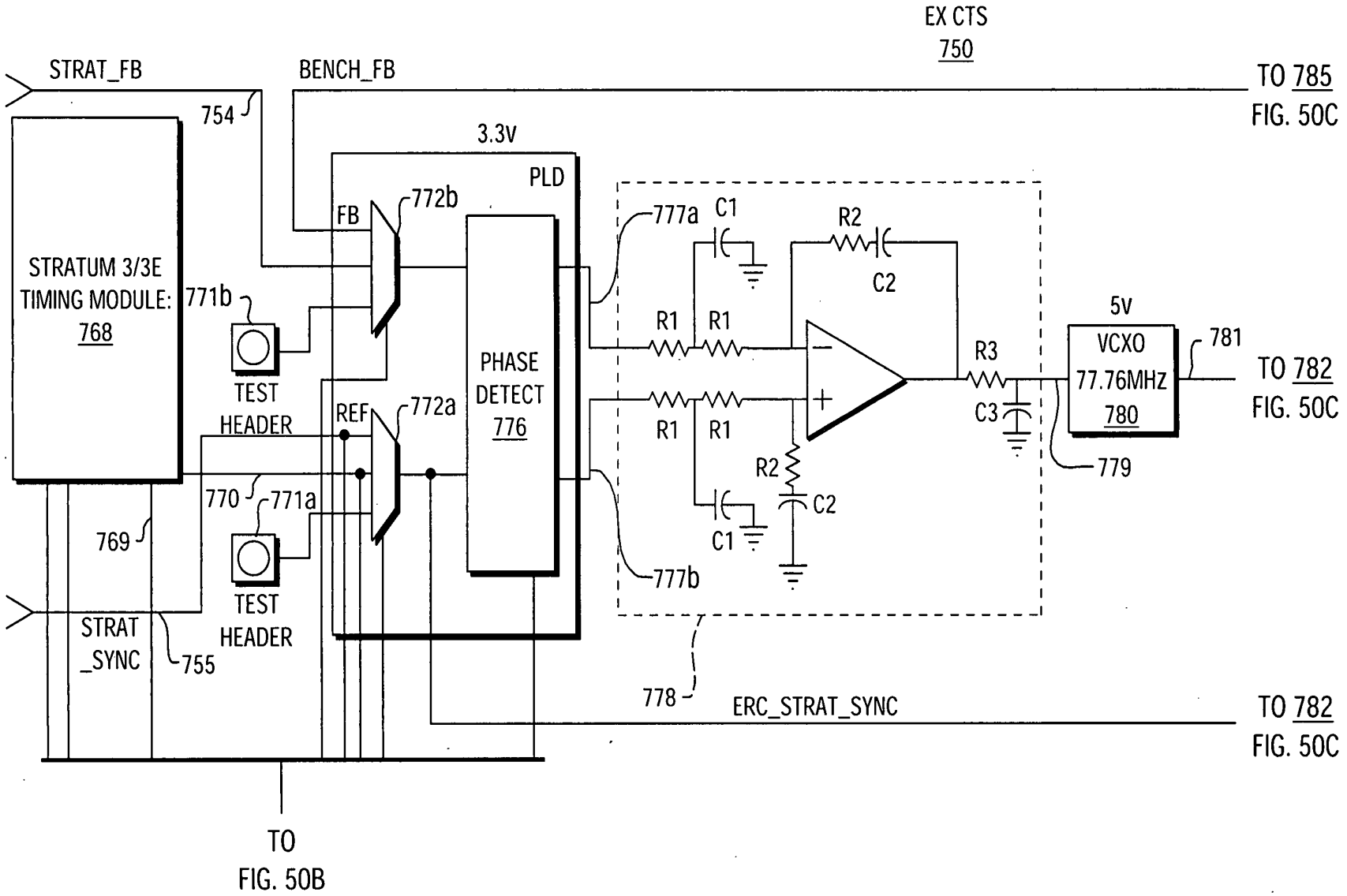

EX CTS
750
STRAT_FB
754
BENCH_FB
TO 785
FIG. 50C
3.3V
PLD
STRATUM 3/3E
TIMING MODULE:
768
FB
772b
771b
TEST
HEADER
REF
772a
PHASE
DETECT
776
770
771a
769
TEST
HEADER
STRAT
_SYNC
755
777a
C1
R2
C2
R1
R1
R1
R1
R2
C2
C1
777b
R3
C3
5v
VCXO
77.76MHZ
780
781
TO 782
FIG. 50C
779
778
ERC_STRAT_SYNC
TO 782
FIG. 50C
TO
FIG. 50B

FIG. 50A

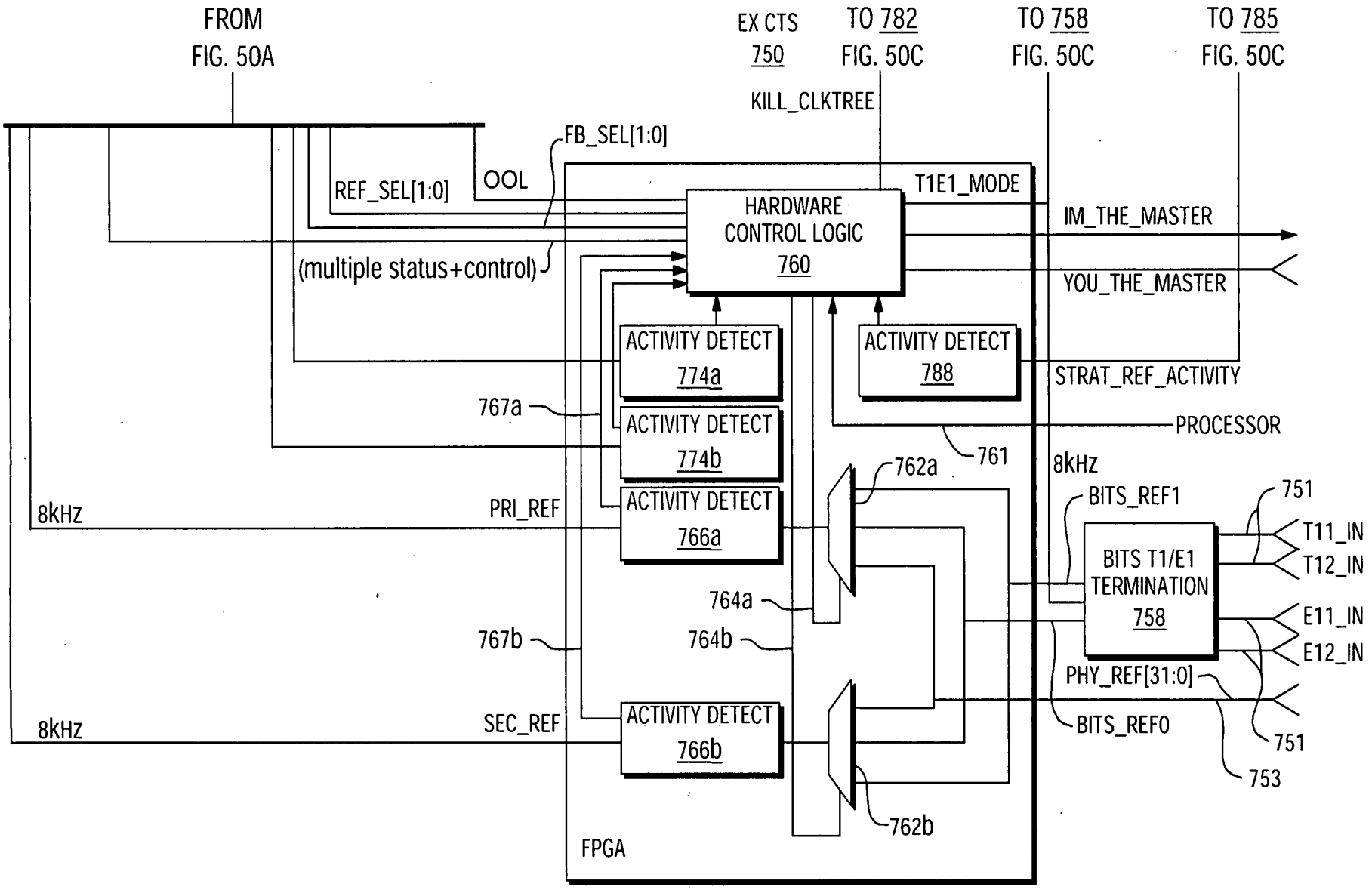

FROM
FIG. 50A
EX CTS
750
TO 782
FIG. 50C
TO 758
FIG. 50C
TO 785
FIG. 50C
KILL_CLKTREE
FB_SEL[1:0]
REF_SEL[1:0]
OOL
T1E1_MODE
HARDWARE
CONTROL LOGIC
760
IM_THE_MASTER
YOU_THE_MASTER
(multiple status+control)
ACTIVITY DETECT
774a
ACTIVITY DETECT
788
STRAT_REF_ACTIVITY
767a
ACTIVITY DETECT
774b
PROCESSOR
761
762a
8kHz
BITS_REF1
751
8kHz
PRI_REF
ACTIVITY DETECT
766a
BITS T1/E1
TERMINATION
758
T11_IN
T12_IN
764a
E11_IN
767b
764b
E12_IN
PHY_REF[31:0]
8kHz
SEC_REF
ACTIVITY DETECT
766b
BITS_REF0
751
753
762b
FPGA

FIG. 50B

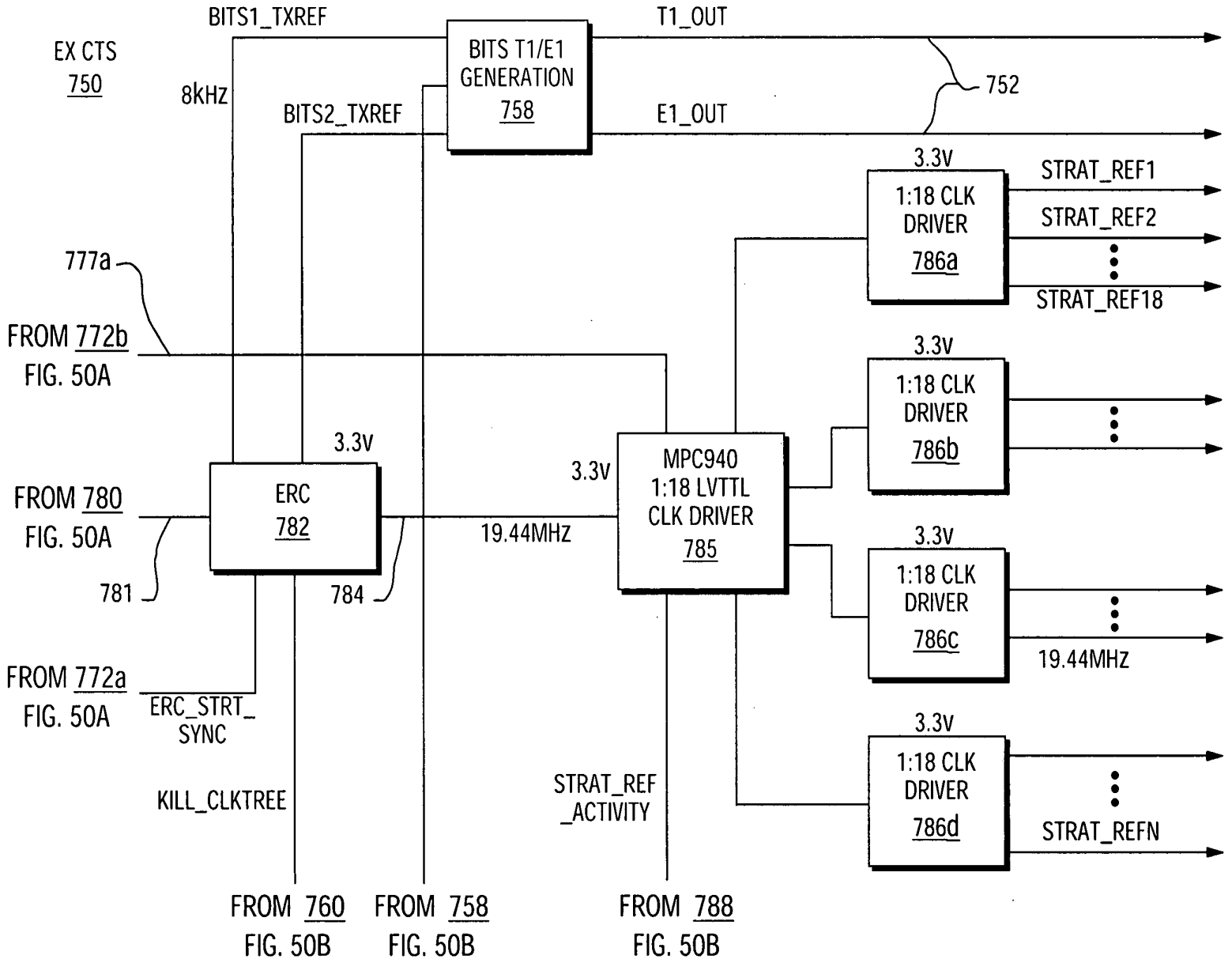

BITS1_TXREF
EX CTS
750
8kHz
BITS2_TXREF
BITS T1/E1
GENERATION
758
T1_OUT
E1_OUT
752
3.3v
1:18 CLK
DRIVER
786a
STRAT_REF1
STRAT_REF2
STRAT_REF18
777a
FROM 772b
FIG. 50A
3.3v
1:18 CLK
DRIVER
786b
3.3v
FROM 780
FIG. 50A
ERC
782
3.3v
MPC940
1:18 LVTTL
CLK DRIVER
785
19.44MHZ
781
784
3.3v
1:18 CLK
DRIVER
786c
19.44MHz
FROM 772a
FIG. 50A
ERC_STRT_
SYNC
3.3v
1:18 CLK
DRIVER
786d
STRAT_REFN
KILL_CLKTREE
STRAT_REF
_ACTIVITY
FROM 760
FIG. 50B
FROM 758
FIG. 50B
FROM 788
FIG. 50B

FIG. 50C

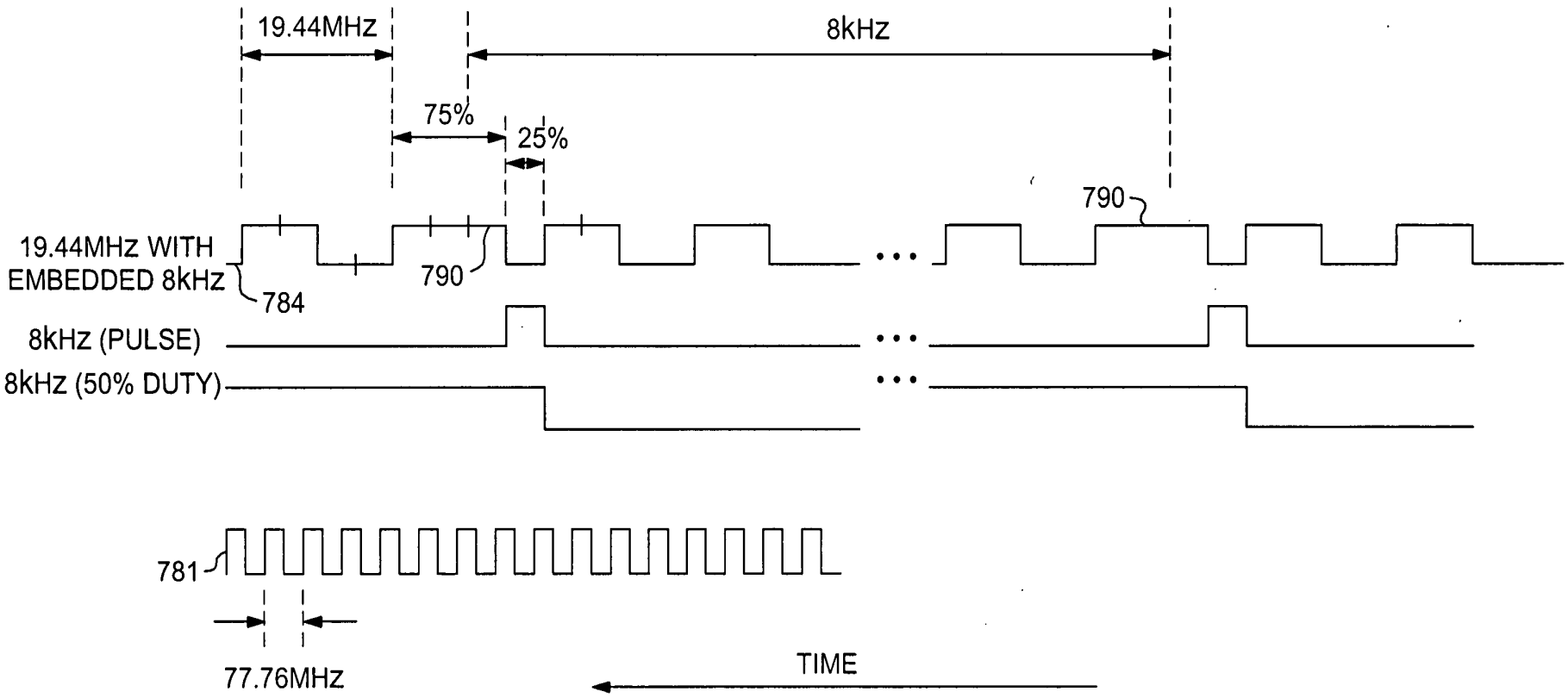

19.44MHz
8kHz
75%
25%
790
19.44MHz WITH
EMBEDDED 8kHz
784
790
8kHz (PULSE)
8kHz (50% DUTY)
781
77.76MHz
TIME

FIG. 51

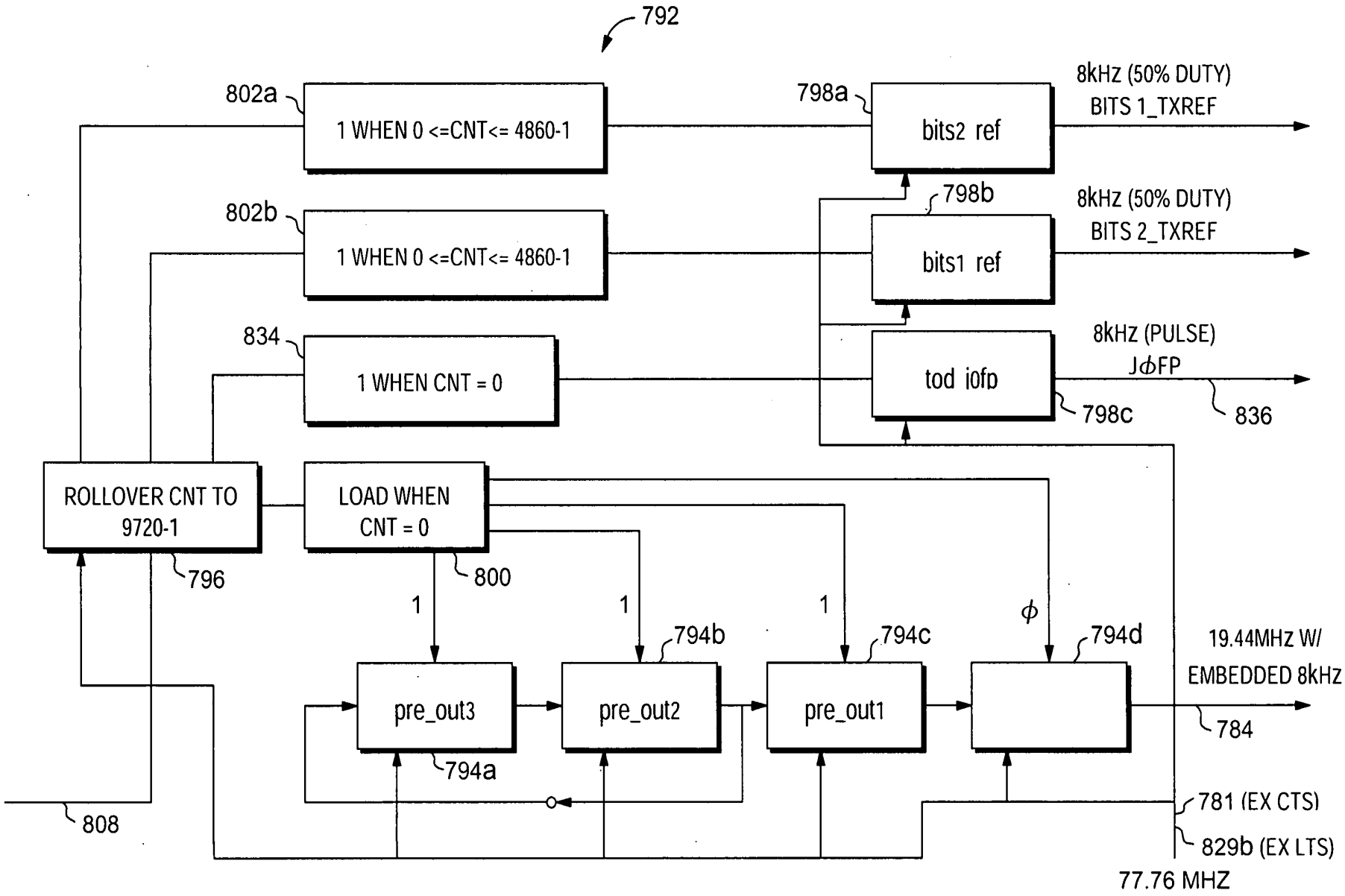

792
802a
1 WHEN 0 <=CNT<= 4860-1
798a
bits2 ref
8kHz (50% DUTY)
BITS 1_TXREF
802b
1 WHEN 0 <=CNT<= 4860-1
798b
bits1 ref
8kHz (50% DUTY)
BITS 2_TXREF
834
1 WHEN CNT = 0
tod iofp
8kHz (PULSE)
JΦFP
798c
836
ROLLOVER CNT TO
9720-1
796
LOAD WHEN
CNT = 0
800
1
1
1
Φ
794b
794c
794d
19.44MHz W/
EMBEDDED 8kHz
pre_out3
pre_out2
pre_out1
794a
784
808
781 (EX CTS)
829b (EX LTS)
77.76 MHZ

FIG. 52

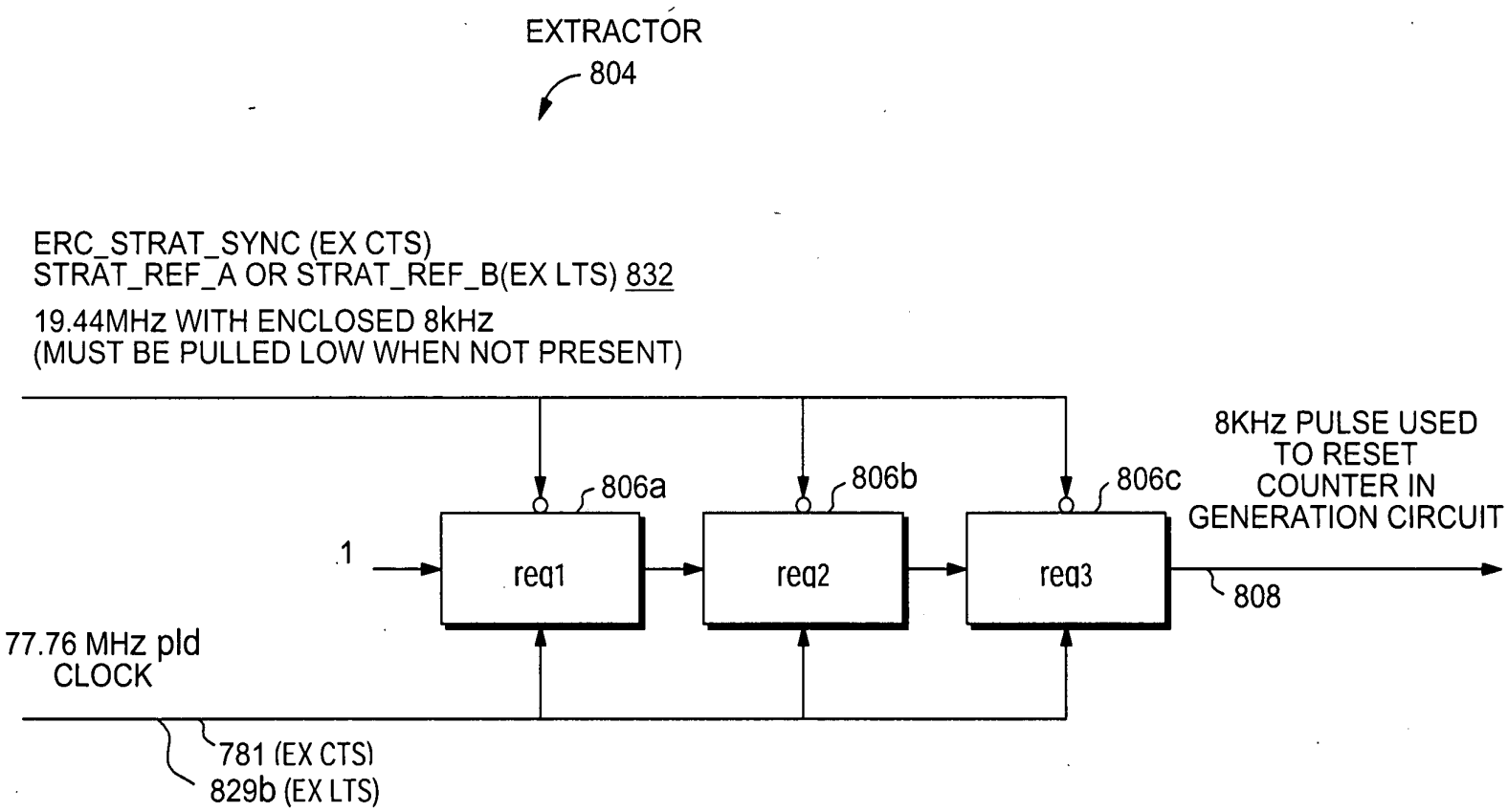

EXTRACTOR
804
ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B(EX LTS) 832
19.44MHz WITH ENCLOSED 8kHz
(MUST BE PULLED LOW WHEN NOT PRESENT)
8KHz PULSE USED
TO RESET
COUNTER IN
GENERATION CIRCUIT
806a
806b
806c
1
reg1
reg2
reg3
808
77.76 MHz pld
CLOCK
781 (EX CTS)
829b (EX LTS)

FIG. 53

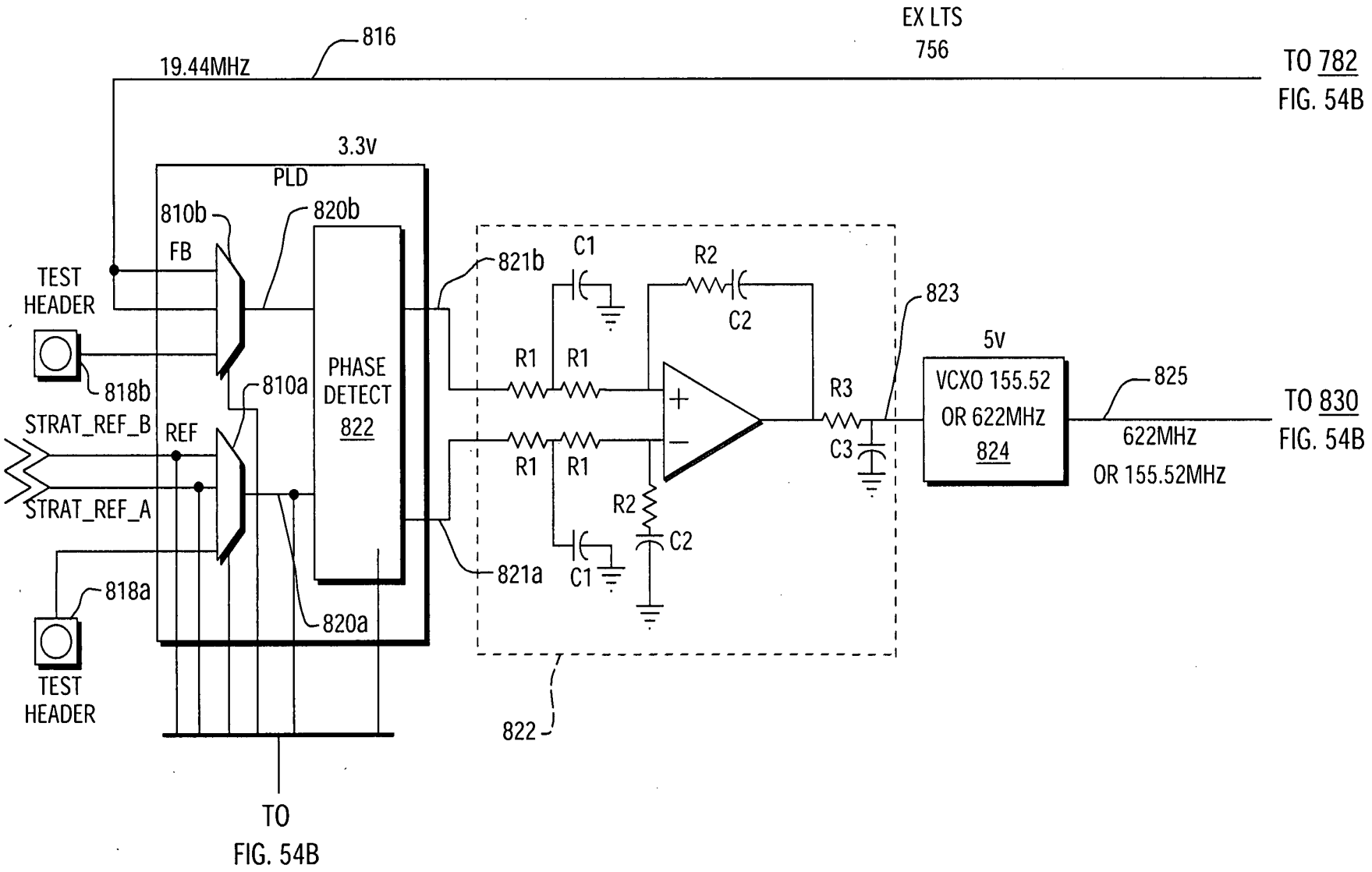

EX LTS
756
TO 782
FIG. 54B
816
19.44MHz
3.3v
PLD
810b
FB
820b
TEST
HEADER
818b
STRAT_REF_B
REF
STRAT_REF_A
810a
PHASE
DETECT
822
818a
820a
TEST
HEADER
TO
FIG. 54B
821b
C1
R2
C2
R1
R1
R1
R1
R2
C2
C1
821a
822
823
R3
C3
5v
VCXO 155.52
OR 622MHz
824
825
622MHz
OR 155.52MHz
TO 830
FIG. 54B

FIG. 54A

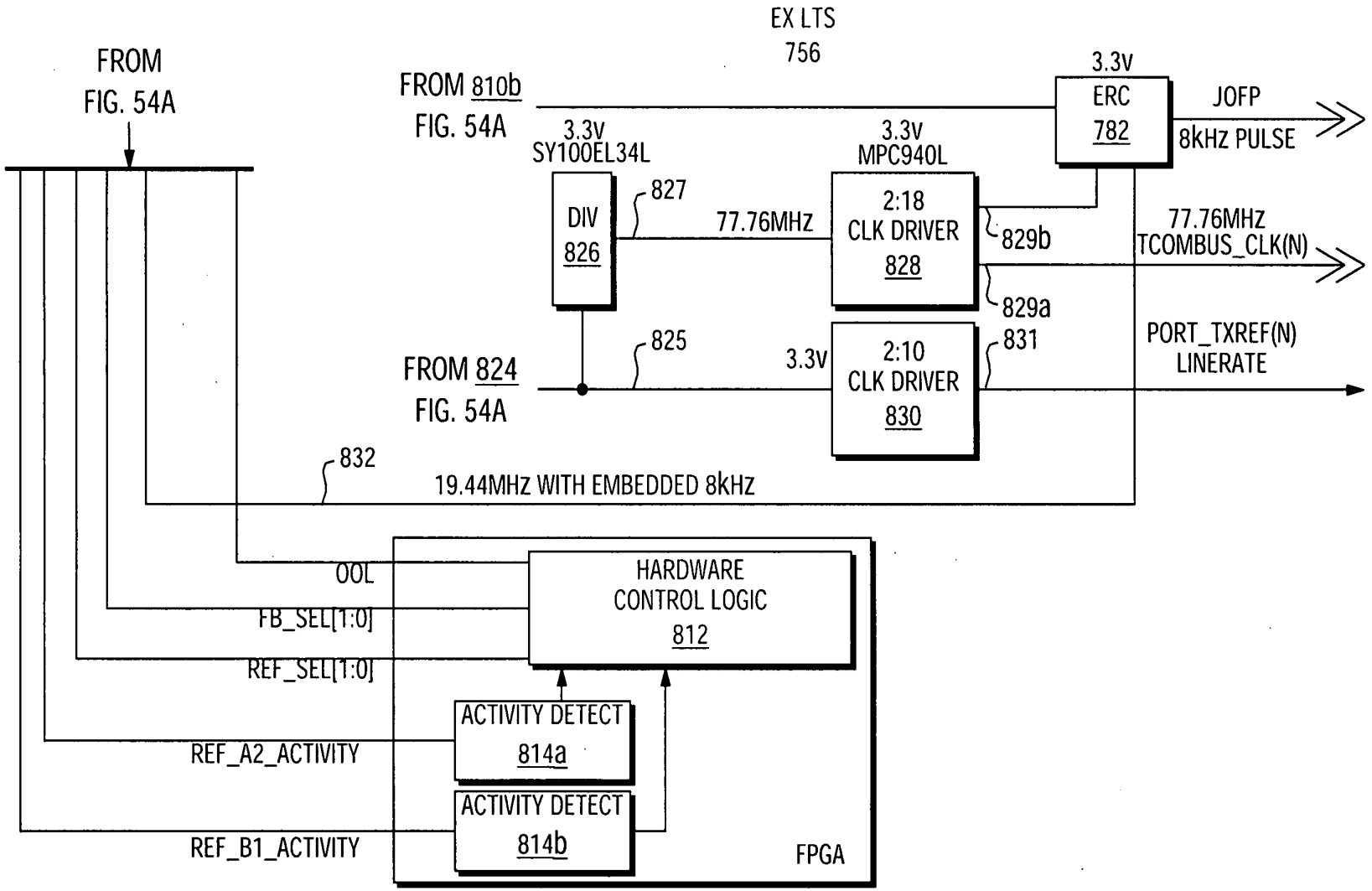

EX LTS
756
FROM
FIG. 54A
FROM 810b
FIG. 54A
3.3v
ERC
782
JOFP
8kHZ PULSE
3.3v
SY100EL34L
3.3v
MPC940L
DIV
826
827
77.76MHZ
2:18
CLK DRIVER
828
829b
829a
77.76MHZ
TCOMBUS_CLK(N)
FROM 824
FIG. 54A
825
3.3v
2:10
CLK DRIVER
830
831
PORT_TXREF(N)
LINERATE
832
19.44MHZ WITH EMBEDDED 8kHZ
OOL
FB_SEL[1:0]
REF_SEL[1:0]
HARDWARE
CONTROL LOGIC
812
ACTIVITY DETECT
814a
REF_A2_ACTIVITY
ACTIVITY DETECT
814b
REF_B1_ACTIVITY
FPGA

FIG. 54B

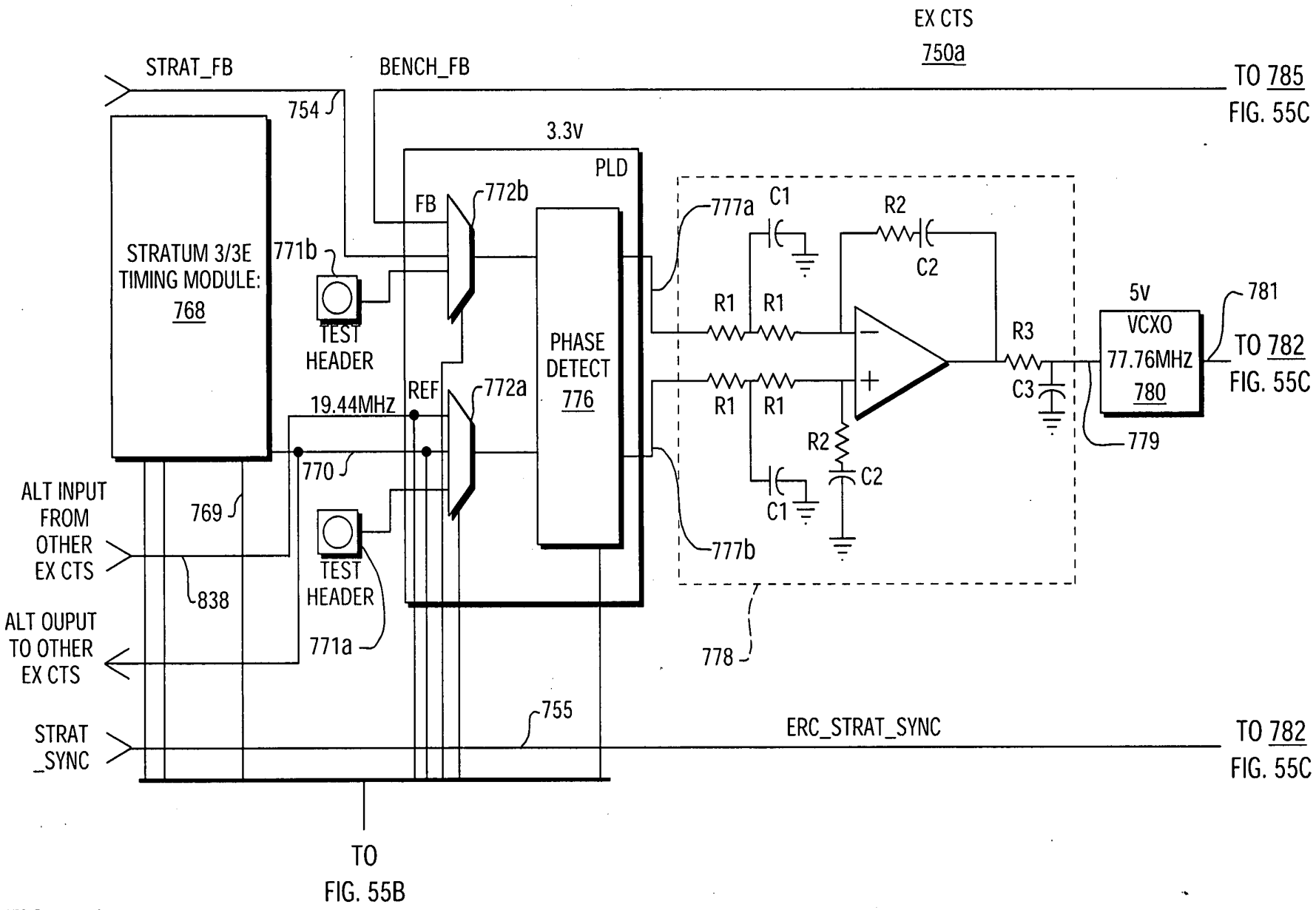

EX CTS
750a
STRAT_FB
BENCH_FB
TO 785
FIG. 55C
754
3.3v
PLD
STRATUM 3/3E
TIMING MODULE:
768
771b
TEST
HEADER
FB
772b
PHASE
DETECT
776
777a
C1
R2
C2
R1
R1
5V
VCXO
77.76MHZ
780
781
TO 782
FIG. 55C
R3
C3
779
REF
772a
19.44MHZ
770
R1
R1
R2
C2
C1
777b
769
ALT INPUT
FROM
OTHER
EX CTS
838
TEST
HEADER
771a
ALT OUPUT
TO OTHER
EX CTS
778
755
STRAT
_SYNC
ERC_STRAT_SYNC
TO 782
FIG. 55C
TO
FIG. 55B

FIG. 55A

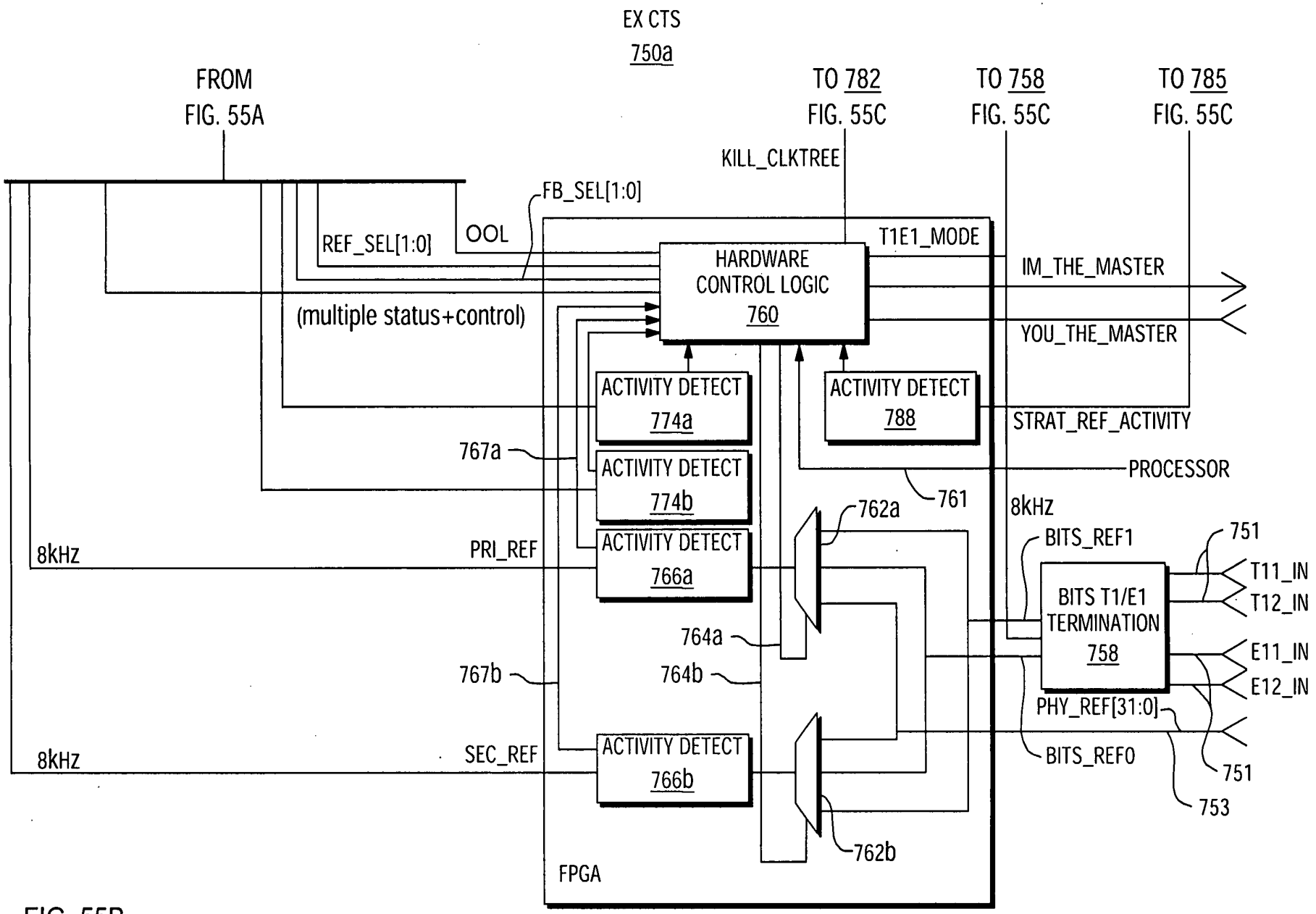

EX CTS
750a
FROM
FIG. 55A
TO 782
FIG. 55C
TO 758
FIG. 55C
TO 785
FIG. 55C
KILL_CLKTREE
FB_SEL[1:0]
REF_SEL[1:0]
OOL
T1E1_MODE
HARDWARE
CONTROL LOGIC
760
IM_THE_MASTER
YOU_THE_MASTER
(multiple status+control)
ACTIVITY DETECT
774a
ACTIVITY DETECT
788
STRAT_REF_ACTIVITY
767a
ACTIVITY DETECT
774b
PROCESSOR
761
762a
8kHz
BITS_REF1
751
8kHz
PRI_REF
ACTIVITY DETECT
766a
BITS T1/E1
TERMINATION
758
T11_IN
T12_IN
764a
E11_IN
767b
764b
E12_IN
PHY_REF[31:0]
8kHz
SEC_REF
ACTIVITY DETECT
766b
BITS_REF0
751
753
762b
FPGA

FIG. 55B

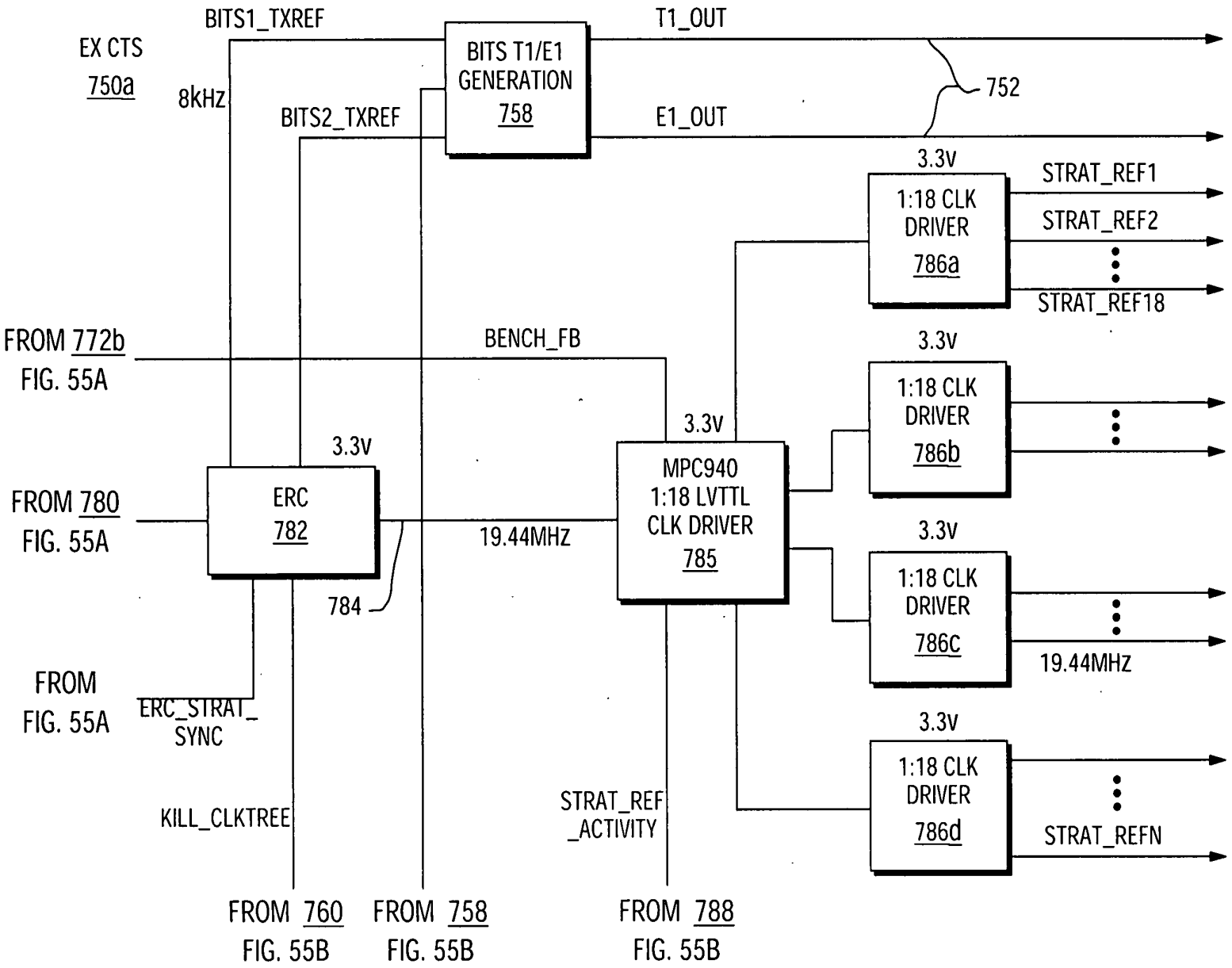

BITS1_TXREF
EX CTS
750a
8kHz
BITS2_TXREF
BITS T1/E1
GENERATION
758
T1_OUT
E1_OUT
752
3.3v
1:18 CLK
DRIVER
786a
STRAT_REF1
STRAT_REF2
STRAT_REF18
FROM 772b
FIG. 55A
BENCH_FB
3.3v
1:18 CLK
DRIVER
786b
3.3v
FROM 780
FIG. 55A
ERC
782
MPC940
1:18 LVTTL
CLK DRIVER
785
19.44MHZ
784
3.3v
1:18 CLK
DRIVER
786c
19.44MHZ
FROM
FIG. 55A
ERC_STRAT_
SYNC
3.3v
1:18 CLK
DRIVER
786d
STRAT_REFN
KILL_CLKTREE
STRAT_REF
_ACTIVITY
FROM 760
FIG. 55B
FROM 758
FIG. 55B
FROM 788
FIG. 55B

FIG. 55C

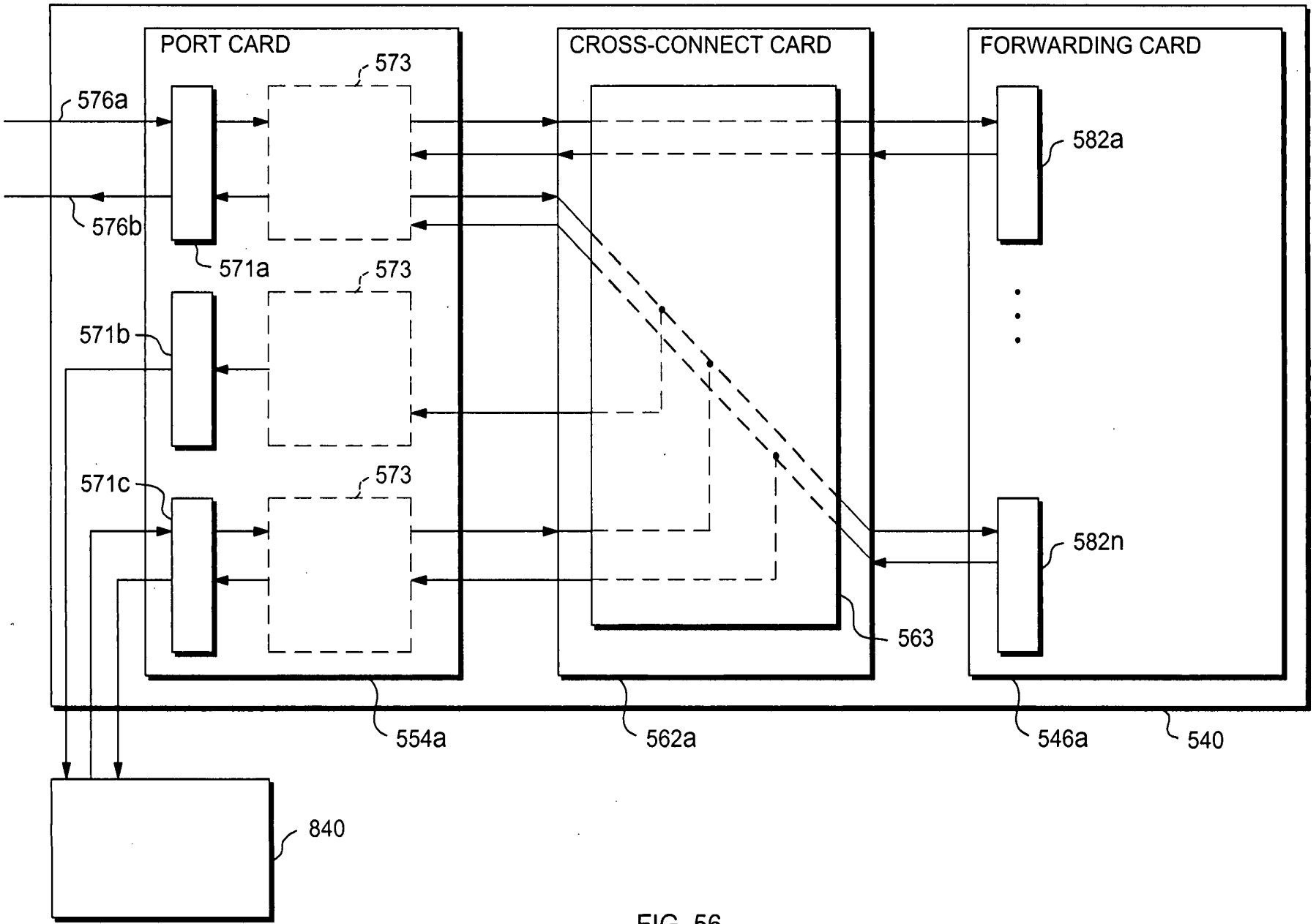

PORT CARD
CROSS-CONNECT CARD
FORWARDING CARD
573
576a
576b
571a
573
571b
571c
573
582a
582n
563
554a
562a
546a
540
840

FIG. 56

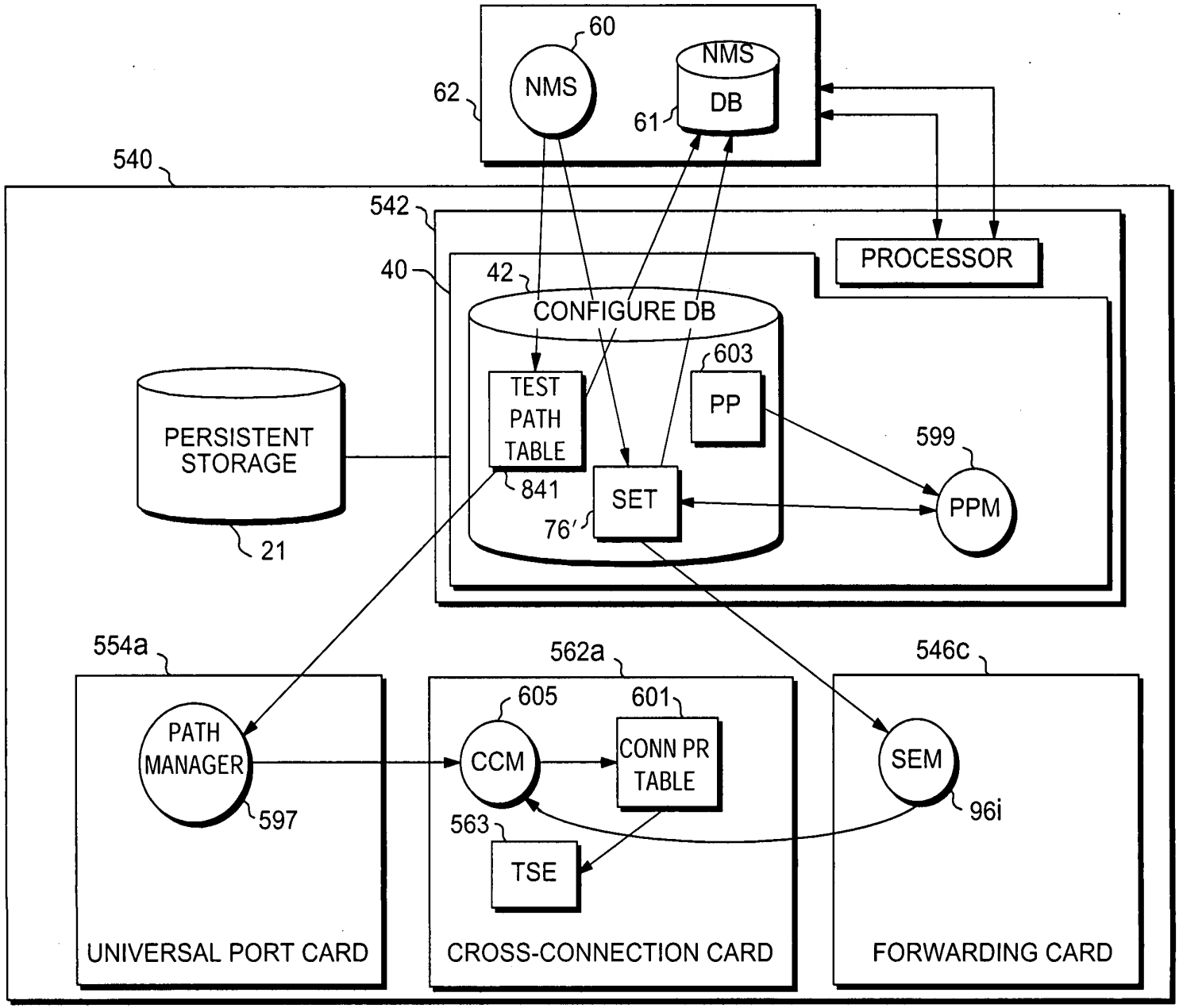

60
NMS
62
NMS
DB
61
540
542
PROCESSOR
40
42
CONFIGURE DB
603
TEST
PATH
TABLE
PP
599
PERSISTENT
STORAGE
841
SET
PPM
76'
21
554a
562a
546c
605
601
PATH
MANAGER
CCM
CONN PR
TABLE
SEM
597
96i
563
TSE
UNIVERSAL PORT CARD
CROSS-CONNECTION CARD
FORWARDING CARD

FIG. 57

TEST PATH TABLE 841

	PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR (844)	ENABLE PORT RECEIVER (845)	...
842	1666	1232	4	3	INGRESS	NO	
843	1666	1233	4	3	EGRESS	NO	
844	1666	1233	4	3	INGRESS	YES	
	⋮	⋮	⋮	⋮			⋮

FIG. 58

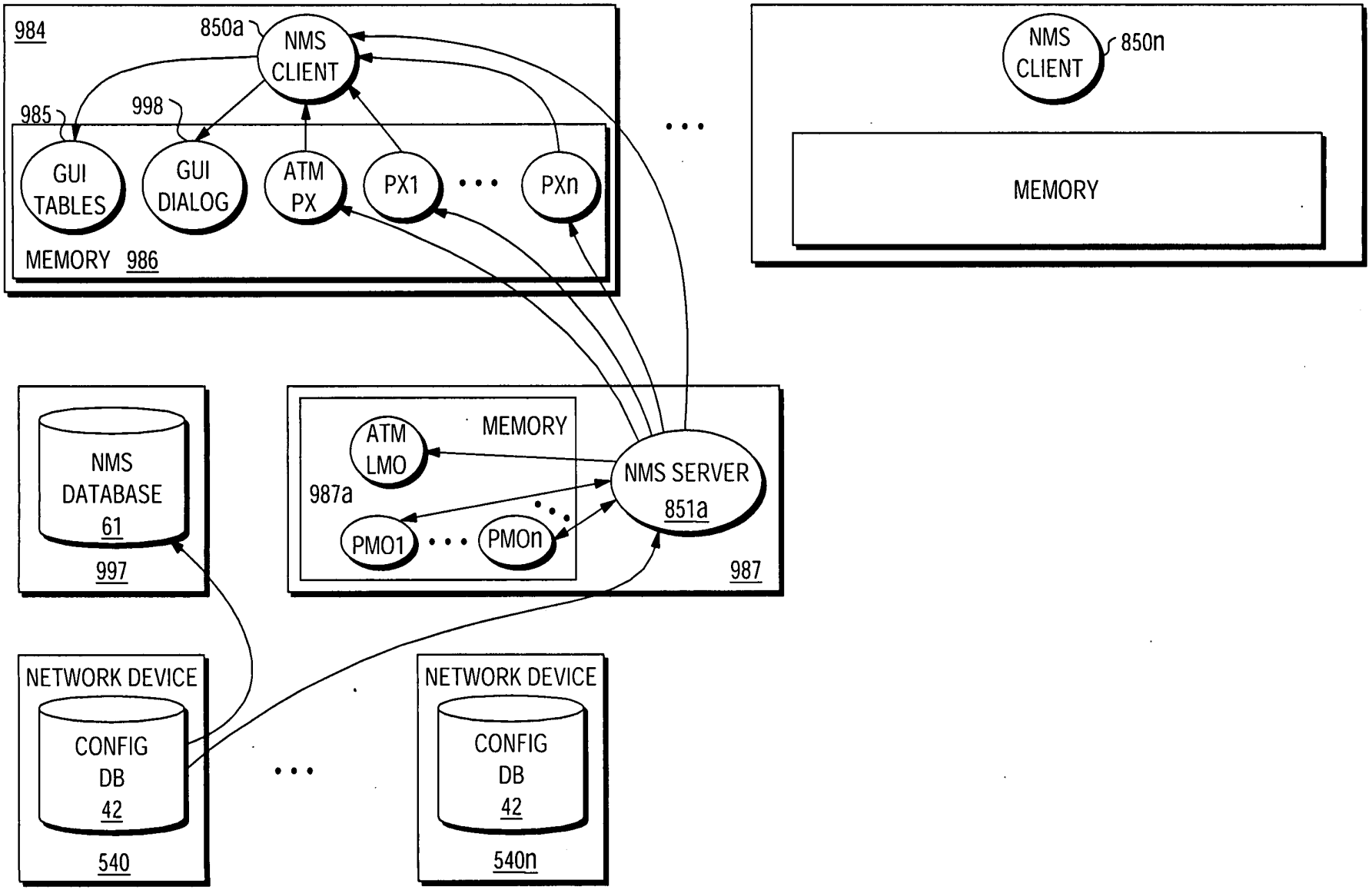

984
850a
NMS CLIENT
985
998
GUI TABLES
GUI DIALOG
ATM PX
PX1
PXn
MEMORY 986
NMS CLIENT
850n
MEMORY
NMS DATABASE 61
997
ATM LMO
MEMORY
987a
NMS SERVER 851a
PMO1
PMOn
987
NETWORK DEVICE
CONFIG DB 42
540
NETWORK DEVICE
CONFIG DB 42
540n

FIG. 59

MANAGED DEVICE TABLE 983

983b

PID	A1	• • •	An
1			

983a

FIG 60A

CHASSIS TABLE 988

988b

PID	A1	• • •	An	MANAGED DEVICE PID
1				1
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

988c

988a

FIG 60B

SHELF TABLE 989

989b

989a

PID	A1	• • •	An	CHASSIS PID
3				2
4				2
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
18				2

FIG 60C

SLOT TABLE 990

990b

990a

990c

990d

PID	A1	• • •	An	SHELF PID
20				3
21				3
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
116				18

FIG 60D

CARD TABLE 47'

47a PID	CWD TYPE	VERSION NO.	47b SLOT PID	...
120	0XF002	3	20	
121	0XF002	4	21	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
124	0X6002	1	24	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
131	0XF002	1	31	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60E

PORT TABLE 49'

49a PID	PORT TYPE	VERSION NO.	49b CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
400	OO620	1	39	
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60F

SONET PATH TABLE 600′

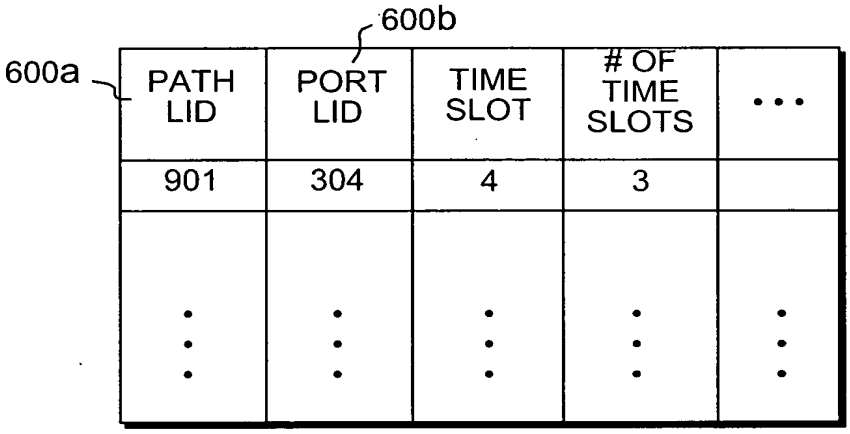


FIG. 60G

SERVICE ENDPOINT TABLE 76′′

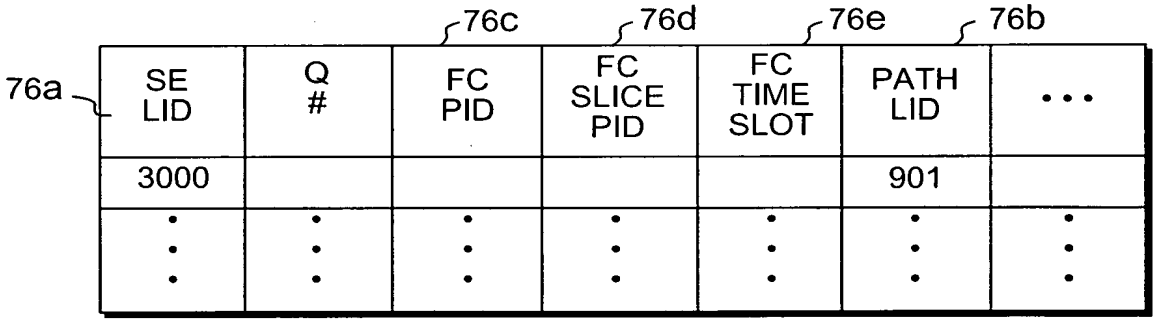


FIG. 60H

ATM IF TABLE 114′′

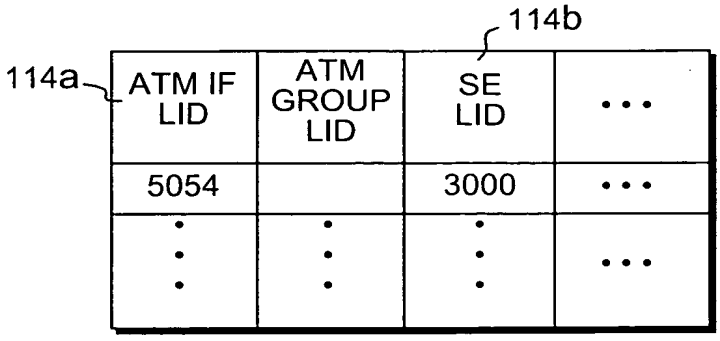


FIG. 60I

VIRTUAL ATM IF TABLE 993

993a

993b

LID	A1	• • •	An	ATM IF LID
7489				5054
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a

994b

LID	A1	• • •	An	VIR. ATM IF LID
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG 60K

VIRTUAL LINK TABLE 995

995a

995b

995c

LID	A1	• • •	An	VIR. CONN. LID	CROSS. CONN. LID
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG 60L

CROSS-CONNECT TABLE 996

996a

996b

996c

LID	A1	• • •	An	VIR. LINK1 LID	VIR. LINK2 LID
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG 60M

ATM NODE TABLE 999

999a

999b

999c

LID	A1	• • •	An	MANAGED DEVICE PID
5000				1

FIG 60N

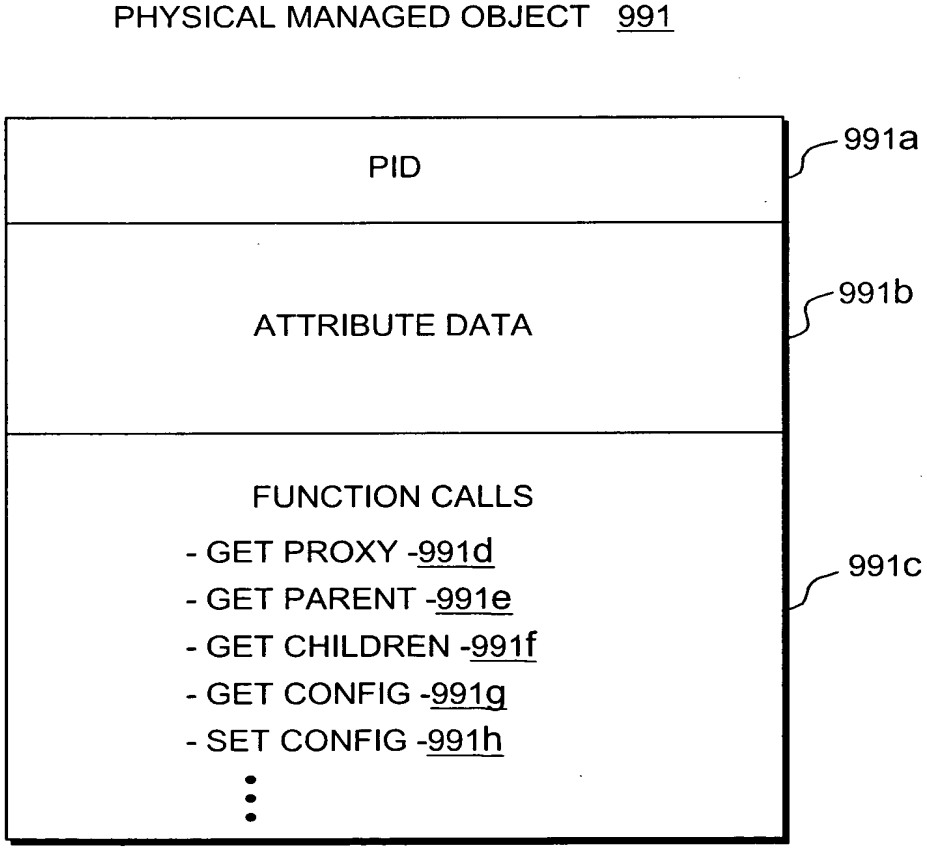

PHYSICAL MANAGED OBJECT 991
PID
991a
ATTRIBUTE DATA
991b
FUNCTION CALLS
- GET PROXY -991d
- GET PARENT -991e
- GET CHILDREN -991f
- GET CONFIG -991g
- SET CONFIG -991h
991c

FIG. 61A

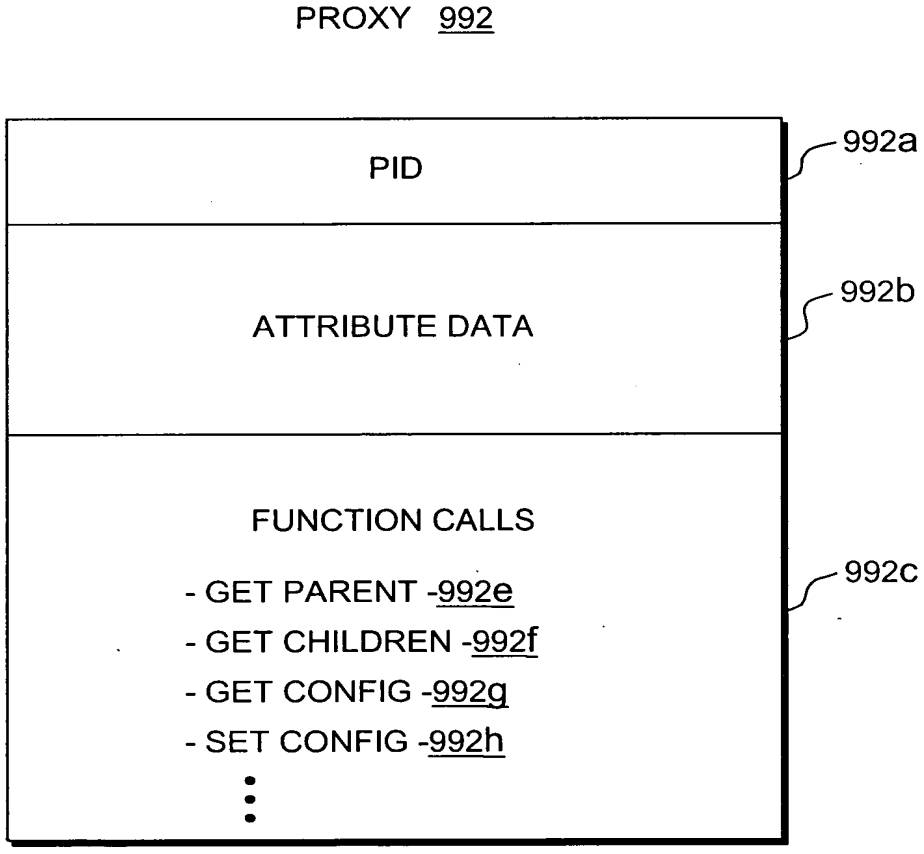

PROXY 992
PID
992a
ATTRIBUTE DATA
992b
FUNCTION CALLS
- GET PARENT -992e
- GET CHILDREN -992f
- GET CONFIG -992g
- SET CONFIG -992h
992c

FIG. 61B

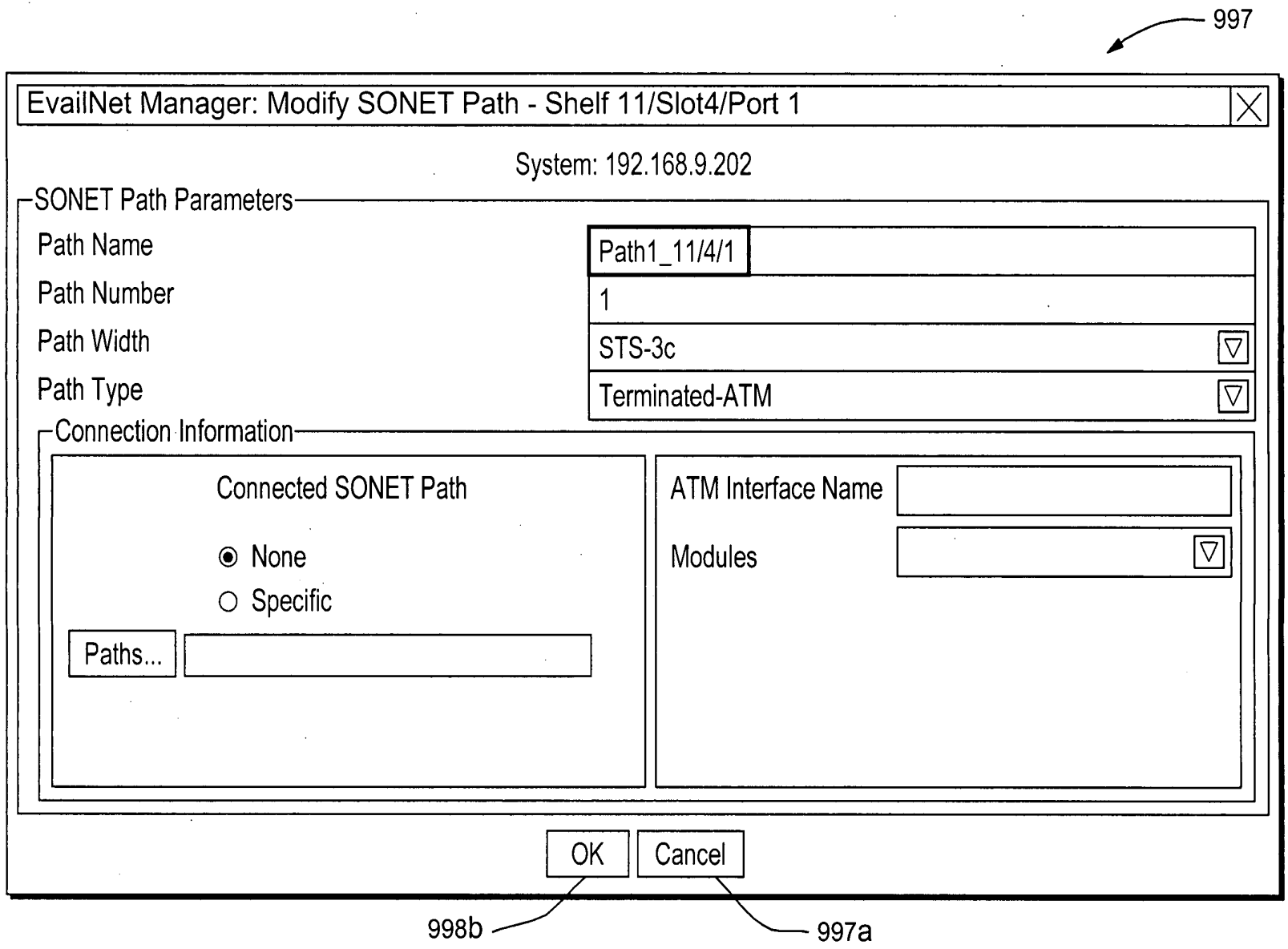

997
EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1
System: 192.168.9.202
SONET Path Parameters
Path Name
Path1_11/4/1
Path Number
1
Path Width
STS-3c
Path Type
Terminated-ATM
Connection Information
Connected SONET Path
None
Specific
Paths...
ATM Interface Name
Modules
OK
Cancel
998b
997a

FIG. 62

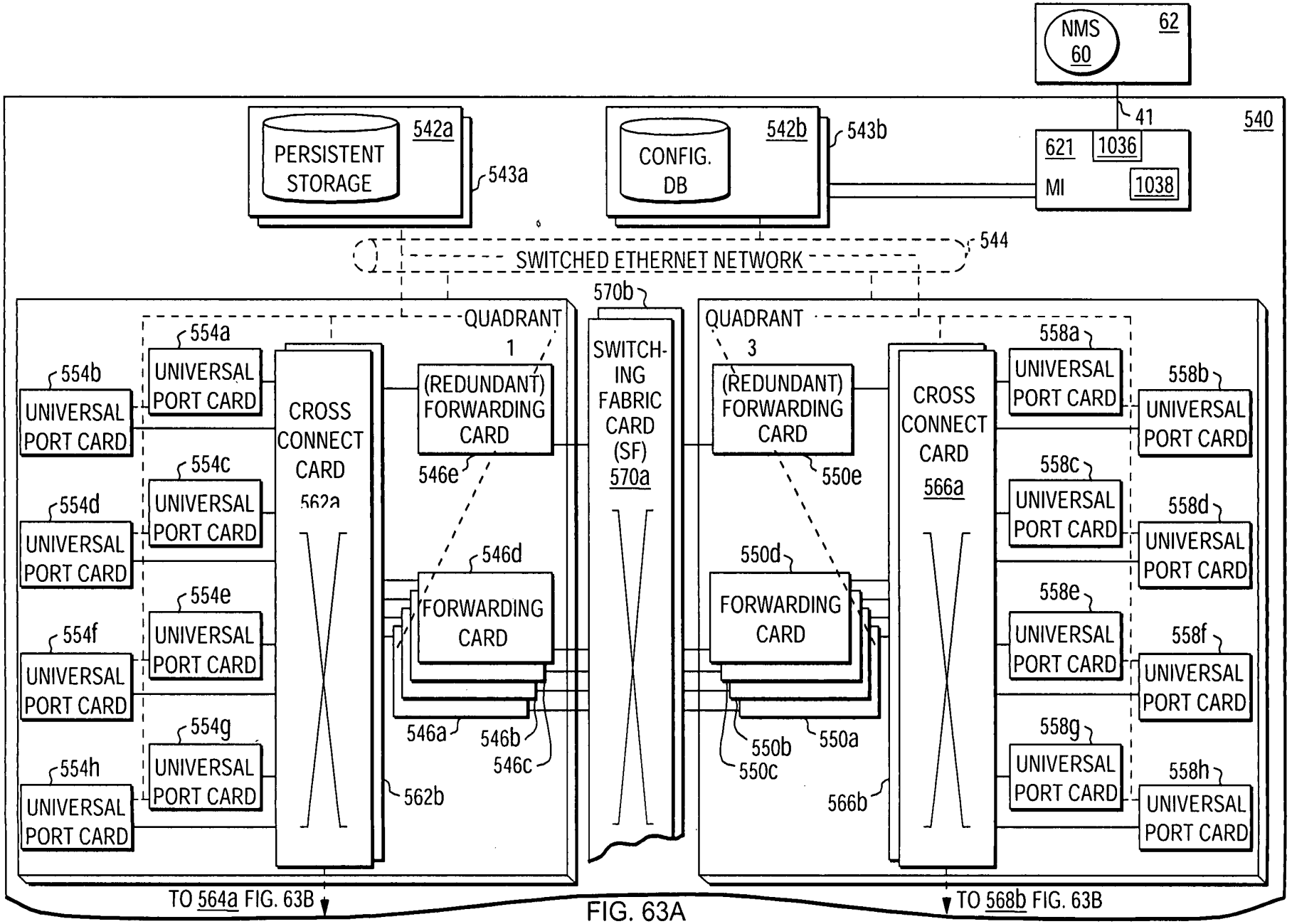

NMS
60
62
41
540
PERSISTENT STORAGE
542a
543a
CONFIG. DB
542b
543b
621
1036
MI
1038
544
SWITCHED ETHERNET NETWORK
570b
QUADRANT 1
QUADRANT 3
554a
554b
554c
554d
554e
554f
554g
554h
UNIVERSAL PORT CARD
CROSS CONNECT CARD
562a
562b
(REDUNDANT) FORWARDING CARD
546e
FORWARDING CARD
546d
546a
546b
546c
SWITCH-ING FABRIC CARD (SF)
570a
550e
550d
550b
550c
550a
566a
566b
558a
558b
558c
558d
558e
558f
558g
558h
TO 564a FIG. 63B
TO 568b FIG. 63B

FIG. 63A

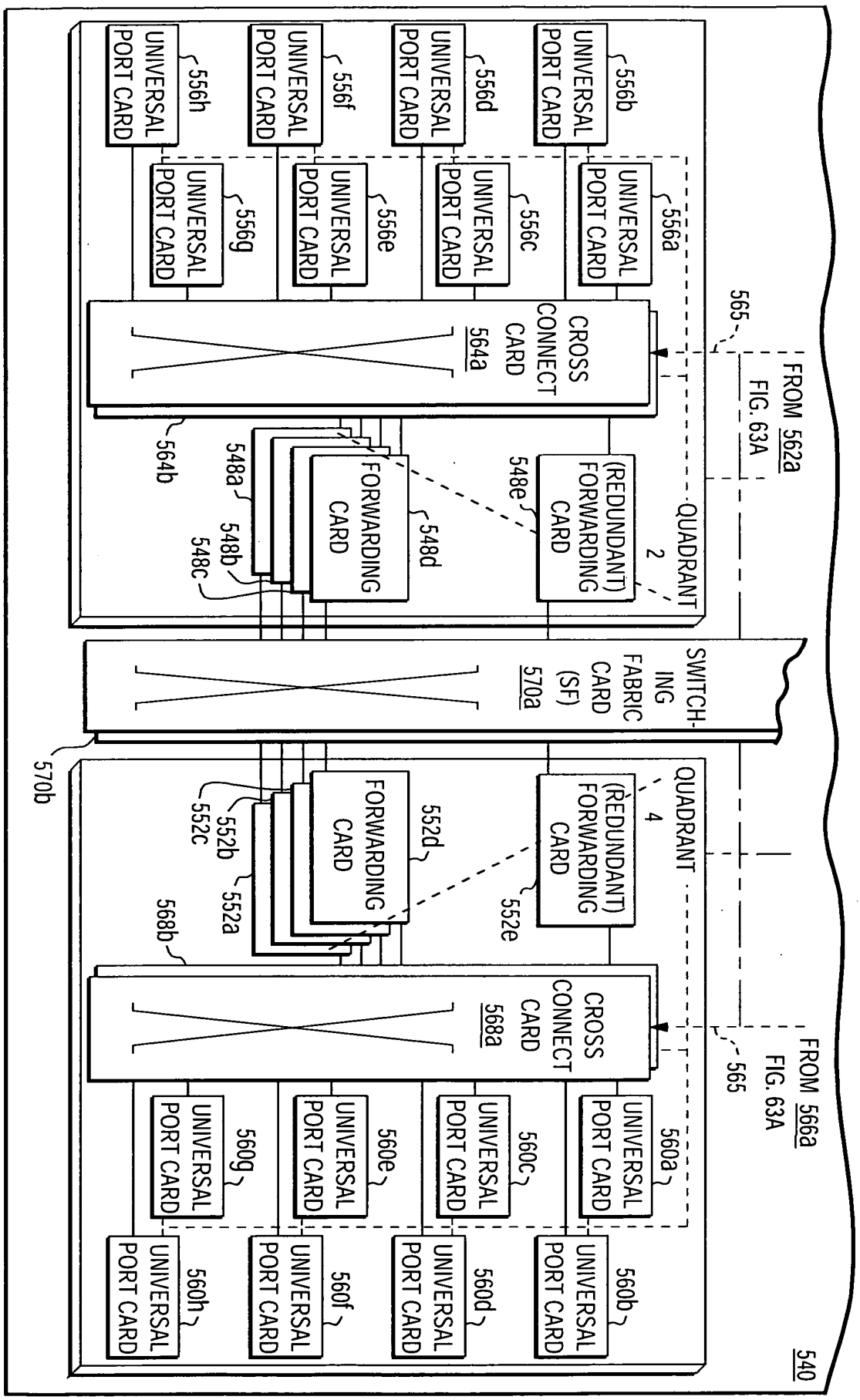

FROM 562a
FIG. 63A
565
QUADRANT 2
(REDUNDANT) FORWARDING CARD
548e
548d
FORWARDING CARD
548a
548b
548c
564b
CROSS CONNECT CARD 564a
556a
556b
556c
556d
556e
556f
556g
556h
UNIVERSAL PORT CARD
SWITCH-ING FABRIC CARD (SF) 570a
570b
QUADRANT 4
(REDUNDANT) FORWARDING CARD
552e
552d
FORWARDING CARD
552a
552b
552c
568b
CROSS CONNECT CARD 568a
560a
560b
560c
560d
560e
560f
560g
560h
FROM 566a
FIG. 63A
565
540

FIG. 63B

ADMINISTRATION MANAGED DEVICE TABLE 1014'

1014a' 1014e' 1014f'

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 64

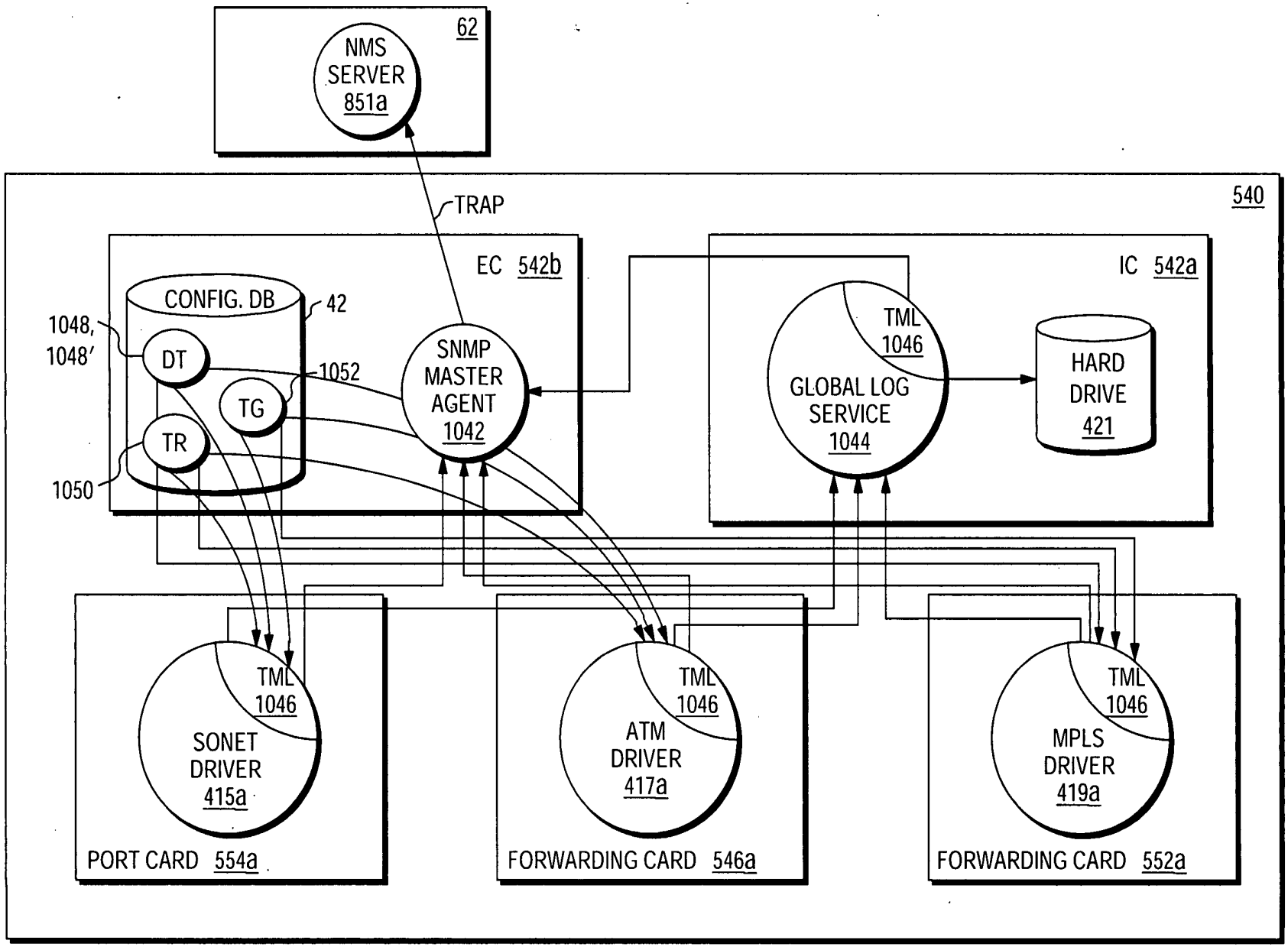

62
NMS SERVER 851a
TRAP
540
EC 542b
CONFIG. DB
42
1048, 1048'
DT
1052
TG
TR
1050
SNMP MASTER AGENT 1042
IC 542a
TML 1046
GLOBAL LOG SERVICE 1044
HARD DRIVE 421
TML 1046
SONET DRIVER 415a
PORT CARD 554a
TML 1046
ATM DRIVER 417a
FORWARDING CARD 546a
TML 1046
MPLS DRIVER 419a
FORWARDING CARD 552a

FIG. 65

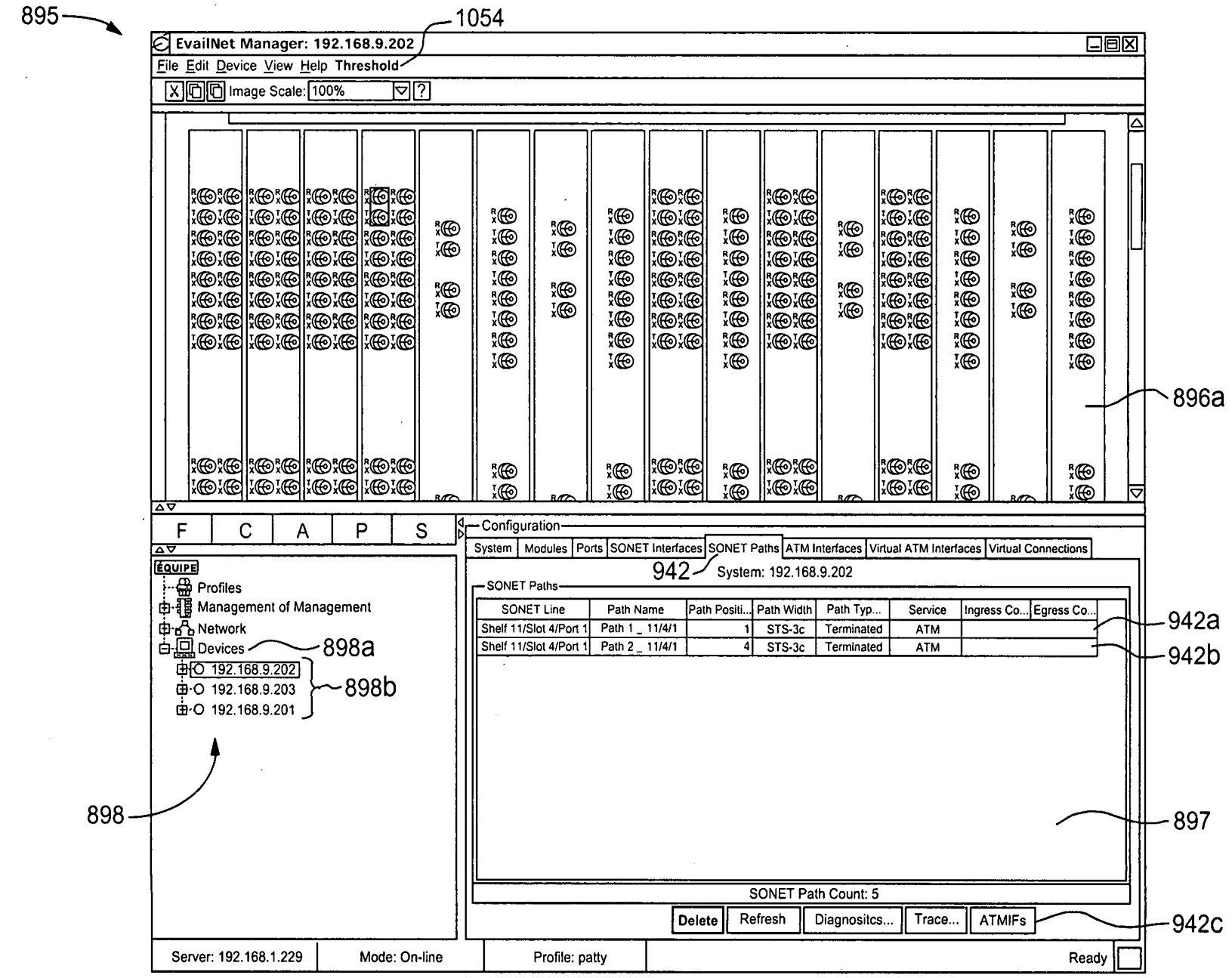

895
1054
EvailNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
942
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
SONET Paths
SONET Line | Path Name | Path Positi... | Path Width | Path Typ... | Service | Ingress Co... | Egress Co...
Shelf 11/Slot 4/Port 1 | Path 1 _ 11/4/1 | 1 | STS-3c | Terminated | ATM
Shelf 11/Slot 4/Port 1 | Path 2 _ 11/4/1 | 4 | STS-3c | Terminated | ATM
942a
942b
898
897
SONET Path Count: 5
Delete Refresh Diagnositcs... Trace... ATMIFs
942c
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 66A

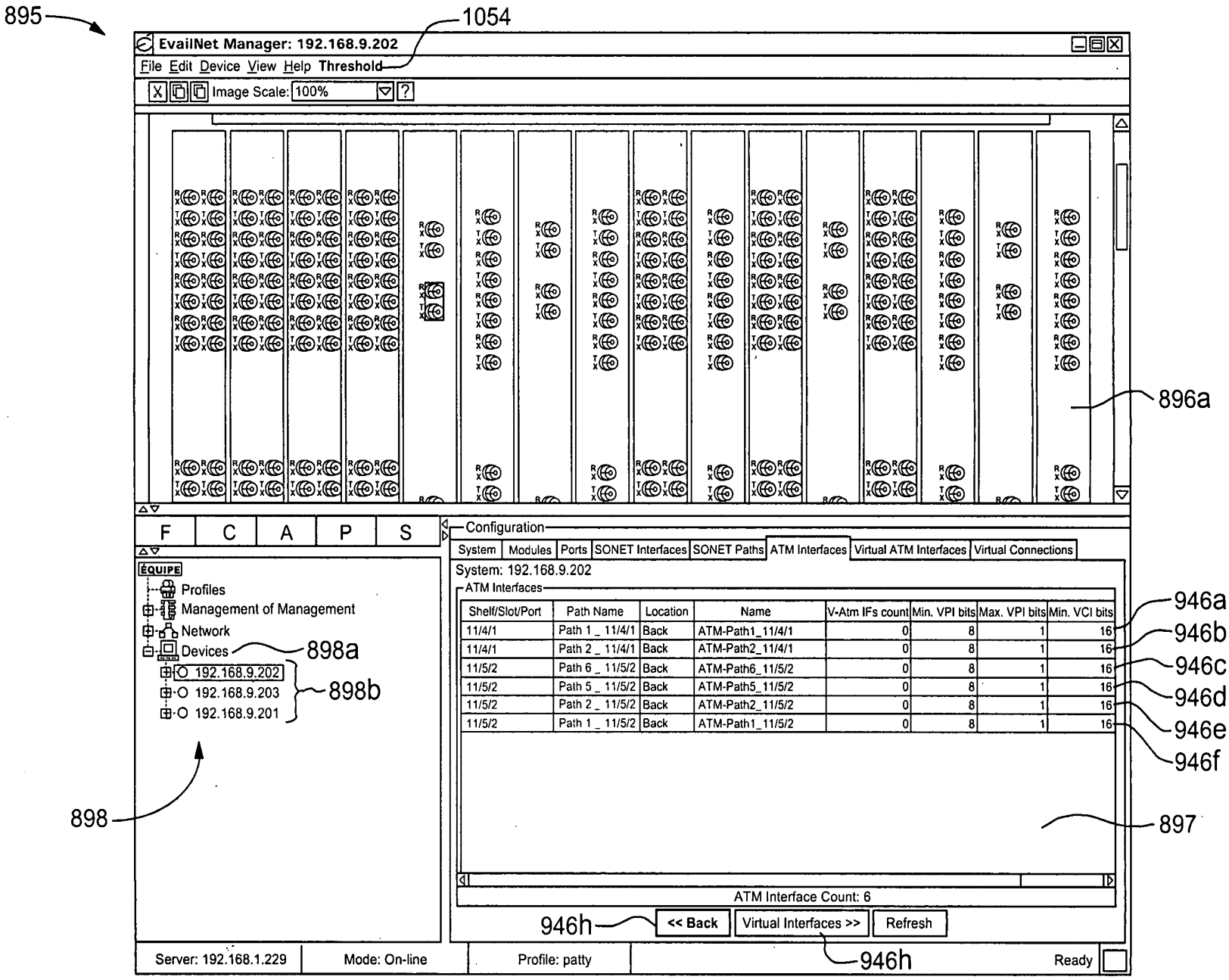

895
1054
EvailNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 100%
896a
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
System: 192.168.9.202
ATM Interfaces
EQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.203
192.168.9.201
898b
898
946a
946b
946c
946d
946e
946f
897
Shelf/Slot/Port | Path Name | Location | Name | V-Atm IFs count | Min. VPI bits | Max. VPI bits | Min. VCI bits
11/4/1 | Path 1 _ 11/4/1 | Back | ATM-Path1_11/4/1 | 0 | 8 | 1 | 16
11/4/1 | Path 2 _ 11/4/1 | Back | ATM-Path2_11/4/1 | 0 | 8 | 1 | 16
11/5/2 | Path 6 _ 11/5/2 | Back | ATM-Path6_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 5 _ 11/5/2 | Back | ATM-Path5_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 2 _ 11/5/2 | Back | ATM-Path2_11/5/2 | 0 | 8 | 1 | 16
11/5/2 | Path 1 _ 11/5/2 | Back | ATM-Path1_11/5/2 | 0 | 8 | 1 | 16
ATM Interface Count: 6
946h
<< Back
Virtual Interfaces >>
Refresh
946h
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 66B

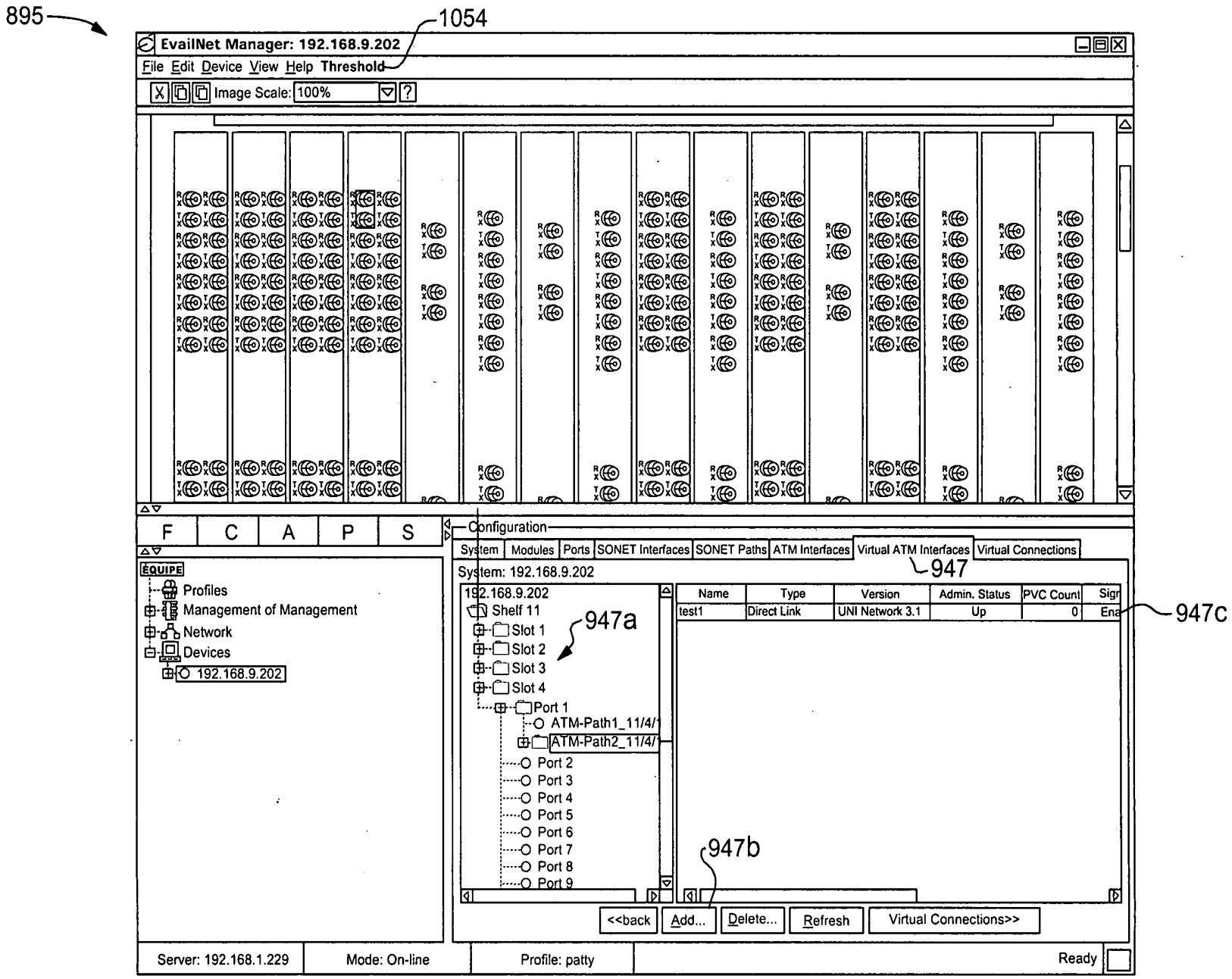

895
1054
EvailNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 100%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
947
System: 192.168.9.202
EQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.202
Shelf 11
947a
Slot 1
Slot 2
Slot 3
Slot 4
Port 1
ATM-Path1_11/4/
ATM-Path2_11/4/
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9
Name Type Version Admin. Status PVC Count Sigr
test1 Direct Link UNI Network 3.1 Up 0 Ena
947c
947b
<<back
Add...
Delete...
Refresh
Virtual Connections>>
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 66C

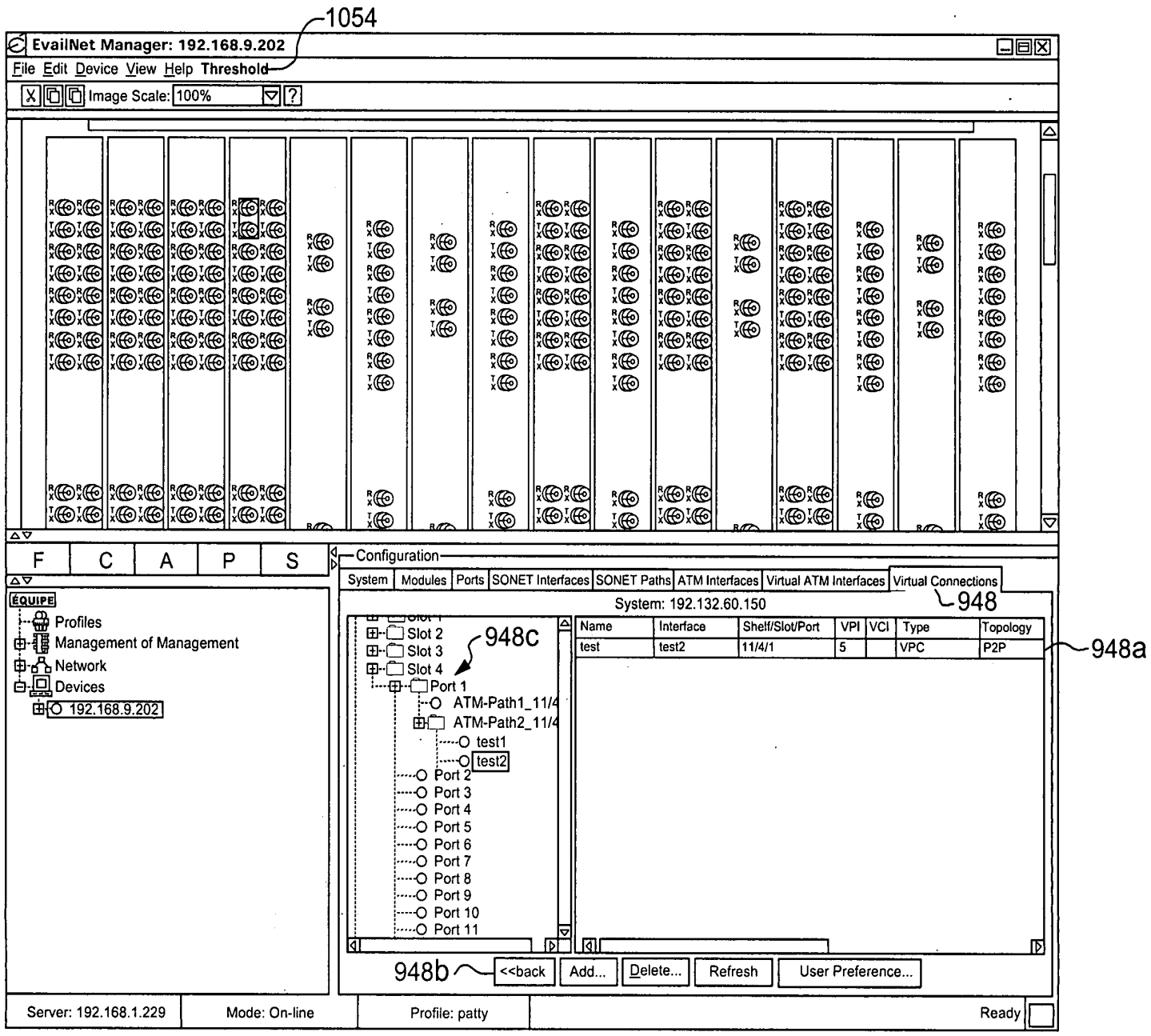

895
1054
EvailNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 100%
F C A P S
Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
948
System: 192.132.60.150
ÉQUIPE
Profiles
Management of Management
Network
Devices
192.168.9.202
Slot 2
Slot 3
Slot 4
948c
Port 1
ATM-Path1_11/4
ATM-Path2_11/4
test1
test2
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9
Port 10
Port 11
Name Interface Shelf/Slot/Port VPI VCI Type Topology
test test2 11/4/1 5 VPC P2P
948a
948b
<<back
Add...
Delete...
Refresh
User Preference...
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 66D

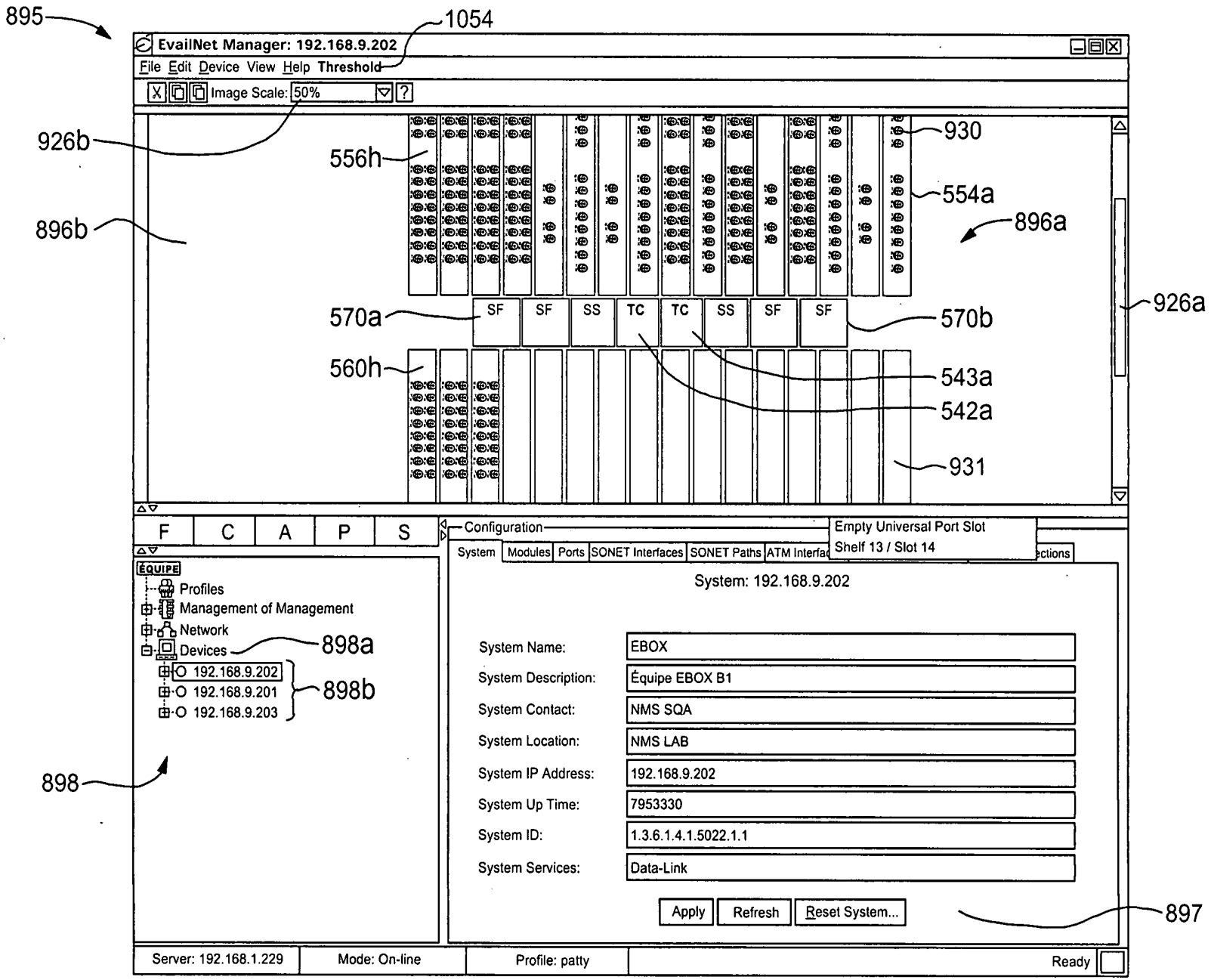

895
1054
EvailNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 50%
926b
556h
930
554a
896b
896a
570a
SF SF SS TC TC SS SF SF
570b
926a
560h
543a
542a
931
F C A P S
Configuration
Empty Universal Port Slot
Shelf 13 / Slot 14
System Modules Ports SONET Interfaces SONET Paths ATM Interfa
ÉQUIPE
Profiles
Management of Management
Network
Devices
898a
192.168.9.202
192.168.9.201
192.168.9.203
898b
898
System: 192.168.9.202
System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SQA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link
Apply Refresh Reset System...
897
Server: 192.168.1.229
Mode: On-line
Profile: patty
Ready

FIG. 66E

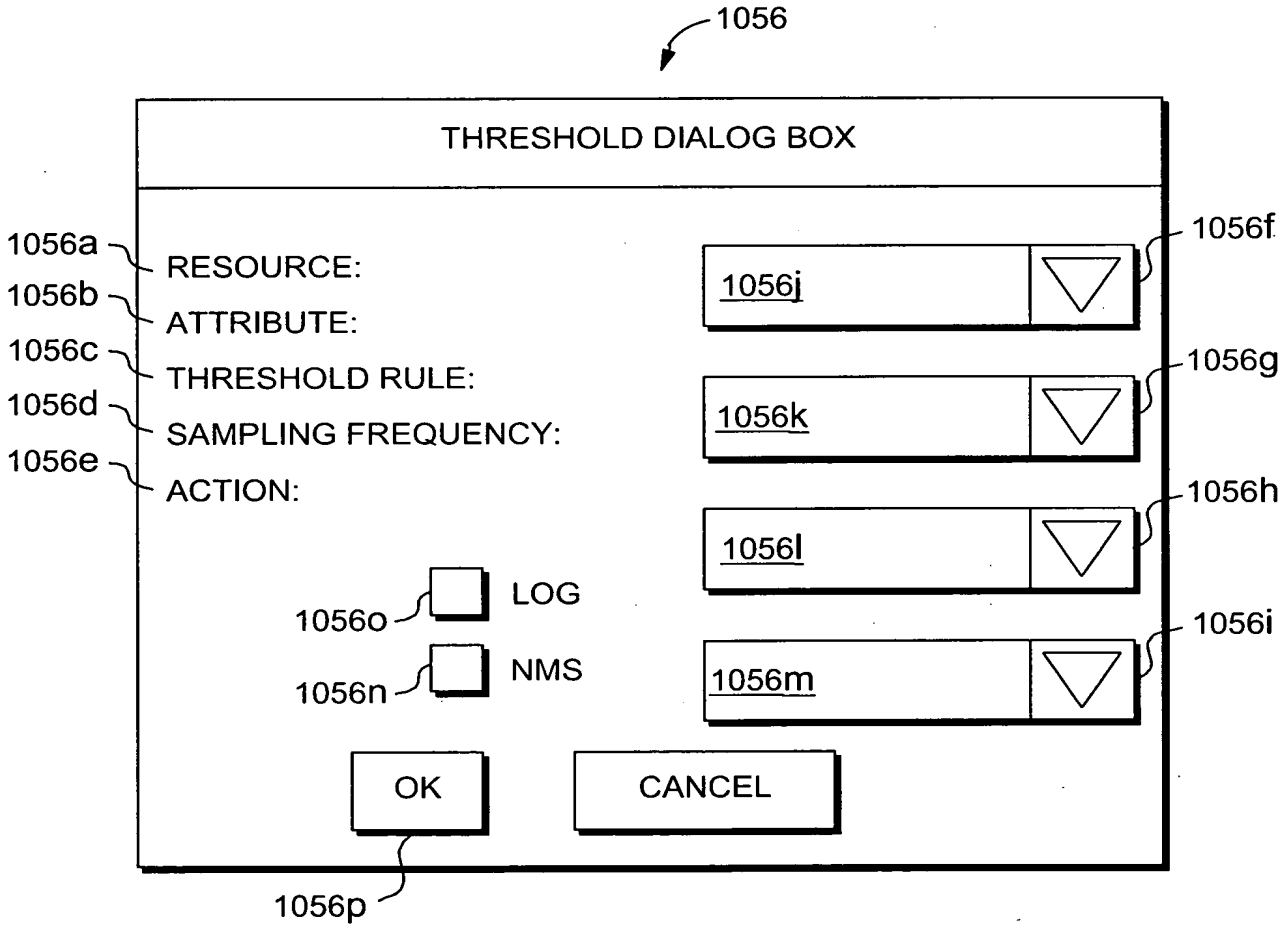

1056
THRESHOLD DIALOG BOX
1056a
RESOURCE:
1056b
ATTRIBUTE:
1056c
THRESHOLD RULE:
1056d
SAMPLING FREQUENCY:
1056e
ACTION:
1056f
1056j
1056g
1056k
1056h
1056l
1056i
1056m
1056o
LOG
1056n
NMS
OK
CANCEL
1056p

FIG. 67

DYNAMIC THRESHOLD TABLE 1048

1048a RESOURCE ID	1048c ATTRIBUTE	1048d SAMPLING FREQ.	1048e ACTION	1048f RULE
1048g 901	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR >10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR >10
⋮	⋮	⋮	⋮	⋮
5054	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
1048h 5054	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
⋮	⋮	⋮	⋮	⋮
7312	Rx TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
7312	Tx TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
	⋮	⋮	⋮	⋮

FIG. 68

DYNAMIC THRESHOLD TABLE 1048′

1048a′ THR. GROUP LID	1048b′ RESOURCE	1048c′ ATTRIBUTE	1048d′ SAMPLING FREQ.	1048e′ ACTION	1048f′ RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR >10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR >10
• • •	• • •	• • •	• • •	• • •	• • •
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
• • •	• • •	• • •	• • •	• • •	• • •
8542	VIRTUAL CONN.	Rx TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	Tx TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
	• • •	• • •	• • •	• • •	• • •

FIG. 69A

THRESHOLD GROUP TABLE 1052

1052a RESOURCE ID	THRESHOLD GROUP LID 1052b
901	8312
902	8313
903	8312
• • •	• • •
5054	8433
• • •	• • •
7312	8542

FIG. 69B

DYNAMIC THRESHOLD TABLE 1048''

	1048a'' THR. GROUP LID	1048b'' RESOURCE	1048c'' ATTRIBUTE	1048d'' SAMPLING FREQ.	1048e'' ACTION	1048f'' RULE LID	1048g'' VARIAB. a	1048h'' VARIAB. b	1048i'' VARIAB. c	1048j'' VARIAB. d	1048k'' VARIAB. e	1048l'' VARIAB. f	...	1048t'' VARIAB. n
1048u''	8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10							
	8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10						
	8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10						
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
	8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am		
1048v''	8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13							
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
	8542	VIRTUAL CONN.	Rx TRAFFIC	1 HOUR	TRAP	9424	4							
	8542	VIRTUAL CONN.	Tx TRAFFIC	1 HOUR	TRAP	9425								
		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 70A

THRESHOLD RULE TABLE 1050

1050a 1050b

RULE LID	EXPRESSION
9421	IF ATTRIBUTE > a
9422	IF ATTRIBUTE < a OR > b
9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f
9424	IF ATTRIBUTE < a
9425	IF ATTRIBUTE = 0
9426	RMON
9427	FOE
9428	IF ATTRIBUTE < a GO TO RULE LID b
• • •	• • •

1050c

FIG. 70B

DYNAMIC THRESHOLD TABLE 1048'''

	1048a''' THR. GROUP LID	1048b''' RESOURCE	1048c''' ATTRIBUTE	1048d''' SAMPLING FREQ.	1048e''' ACTION	1048f''' RULE LID	1048g''' VARIAB. a	1048h''' VARIAB. b	1048i''' VARIAB. c	1048j''' VARIAB. d	VARIAB. e	1048k''' VARIAB. f	1048l''' ...	1048t''' VARIAB. n	1048w''' ACTIVE/ INACTIVE
1048u'''	8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10								
	8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10							
	8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10							
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
	8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am			
1048v'''	8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13								
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
	8542	VIRTUAL CONN.	Rx TRAFFIC	1 HOUR	TRAP	9424	4								
	8542	VIRTUAL CONN.	Tx TRAFFIC	1 HOUR	TRAP	9425									
		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
1048x'''	8588	HARD DRIVE	UNUSED DISK SPACE	5 min	LOG	9428	80	9424							ACTIVE
1048y'''	8588	HARD DRIVE	UNUSED DISK SPACE	30 sec	TRAP	9424	20								INACTIVE

FIG. 71

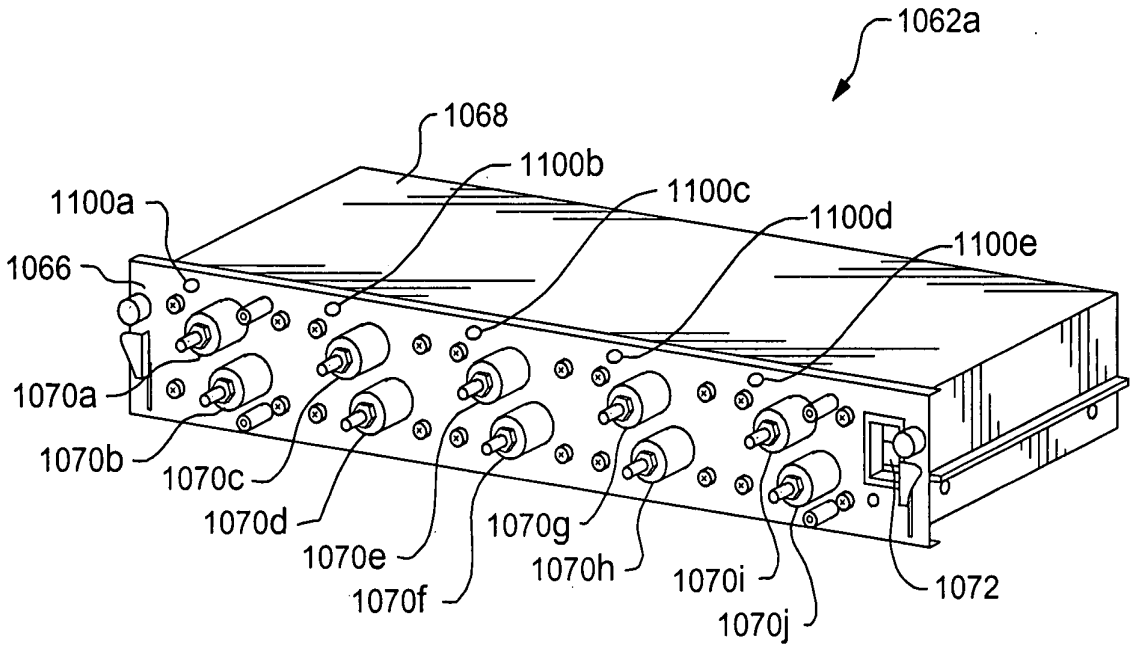

1062a
1068
1100b
1100c
1100d
1100e
1100a
1066
1070a
1070b
1070c
1070d
1070e
1070f
1070g
1070h
1070i
1070j
1072

FIG. 72A

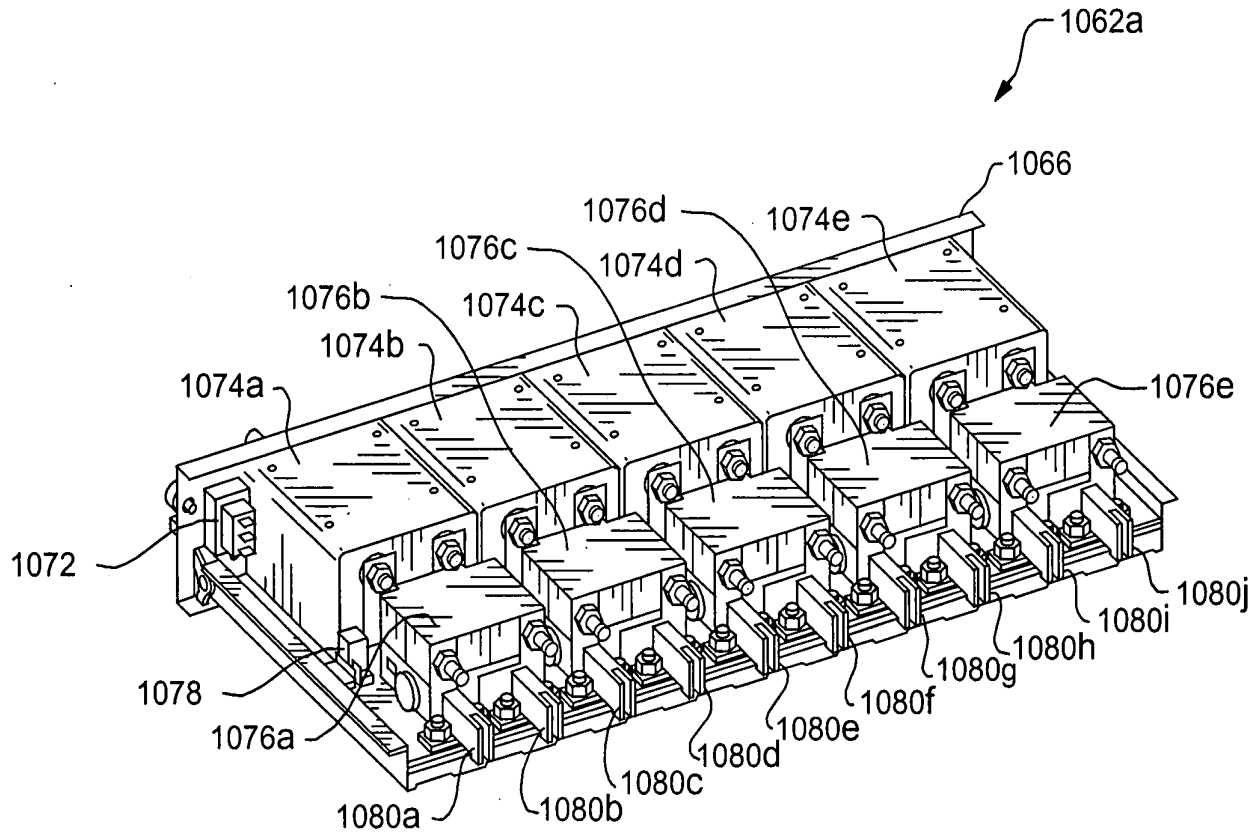

1062a
1066
1076d
1074e
1076c
1074d
1076b
1074c
1074b
1074a
1076e
1072
1080j
1080i
1080h
1080g
1078
1080f
1076a
1080e
1080d
1080c
1080b
1080a

FIG. 72B

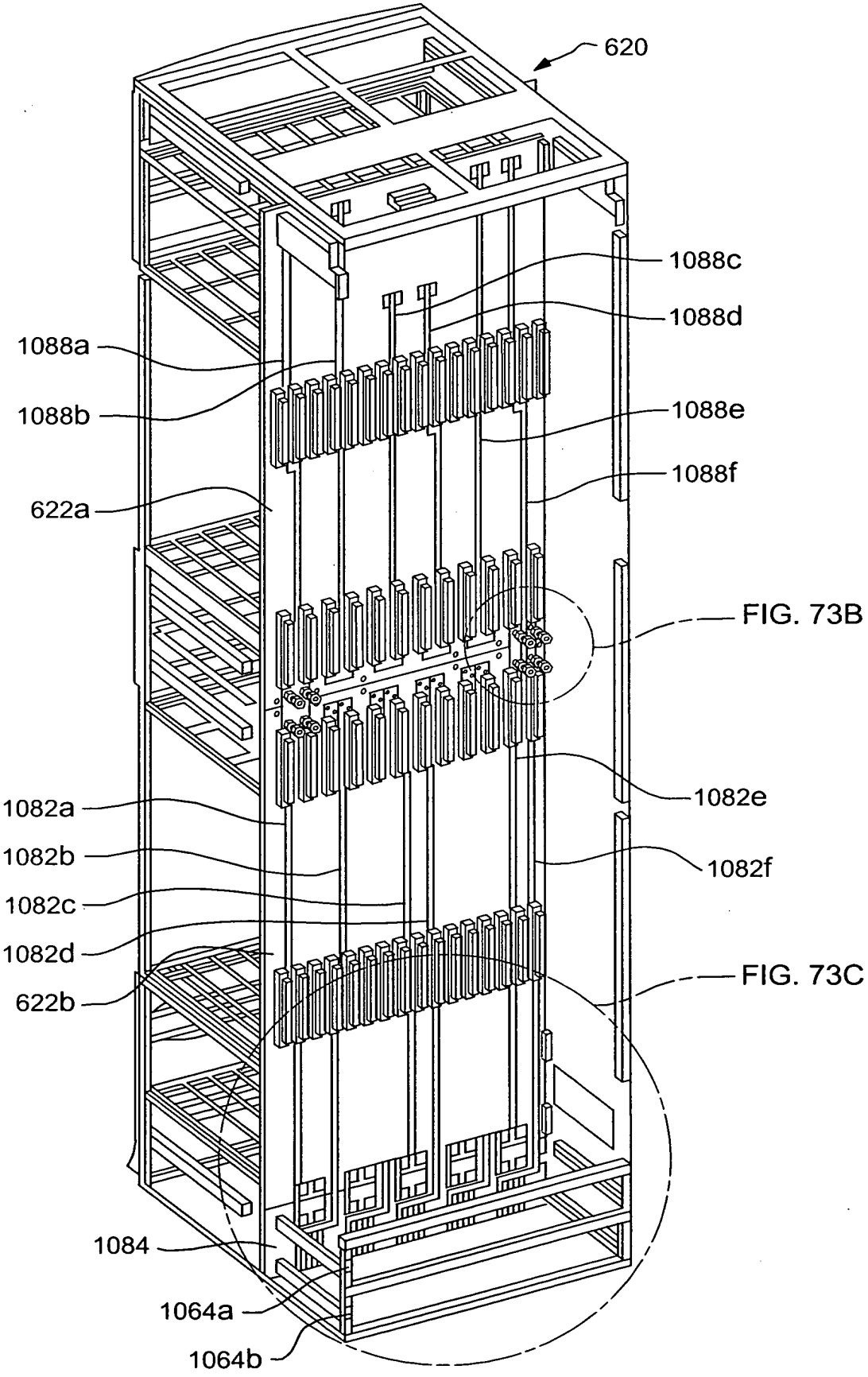

620
1088c
1088d
1088a
1088b
1088e
1088f
622a
FIG. 73B
1082e
1082a
1082b
1082f
1082c
1082d
FIG. 73C
622b
1084
1064a
1064b

FIG. 73A

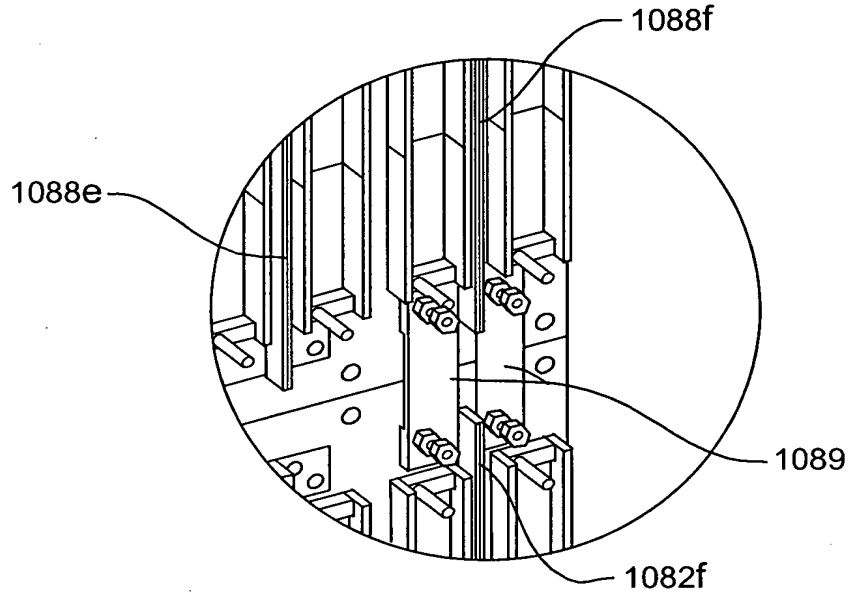


FIG. 73B

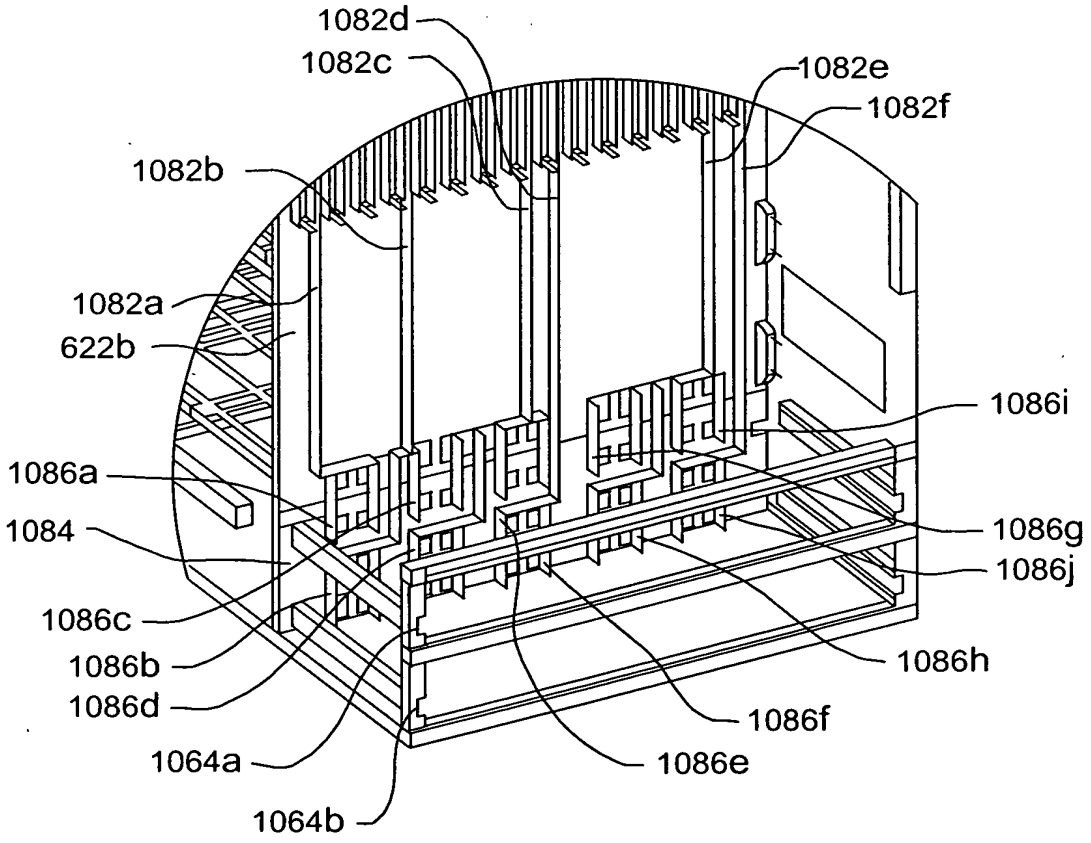


FIG. 73C

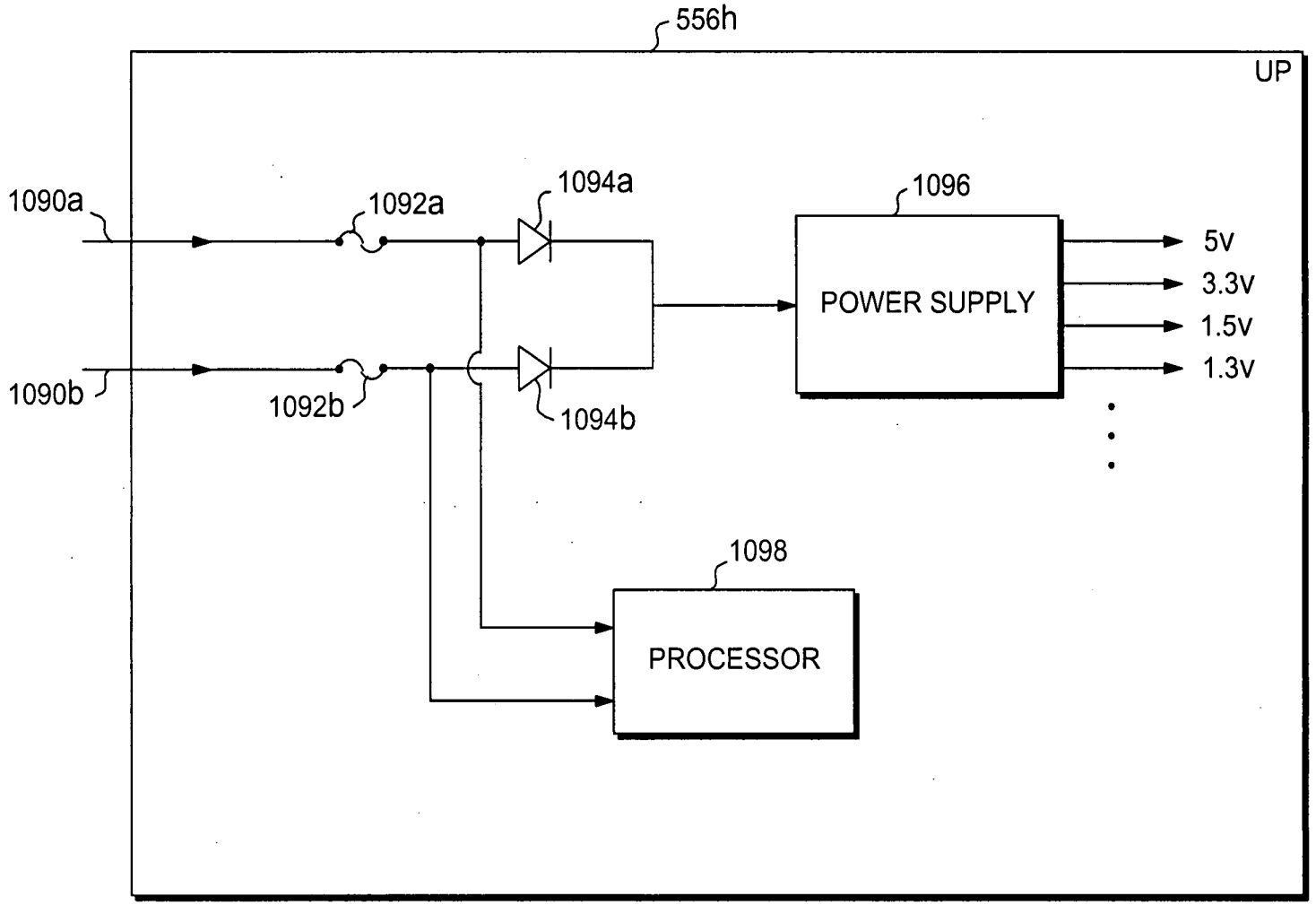

556h
UP
1090a
1092a
1094a
1096
POWER SUPPLY
5v
3.3v
1.5v
1.3v
1090b
1092b
1094b
1098
PROCESSOR

FIG. 74

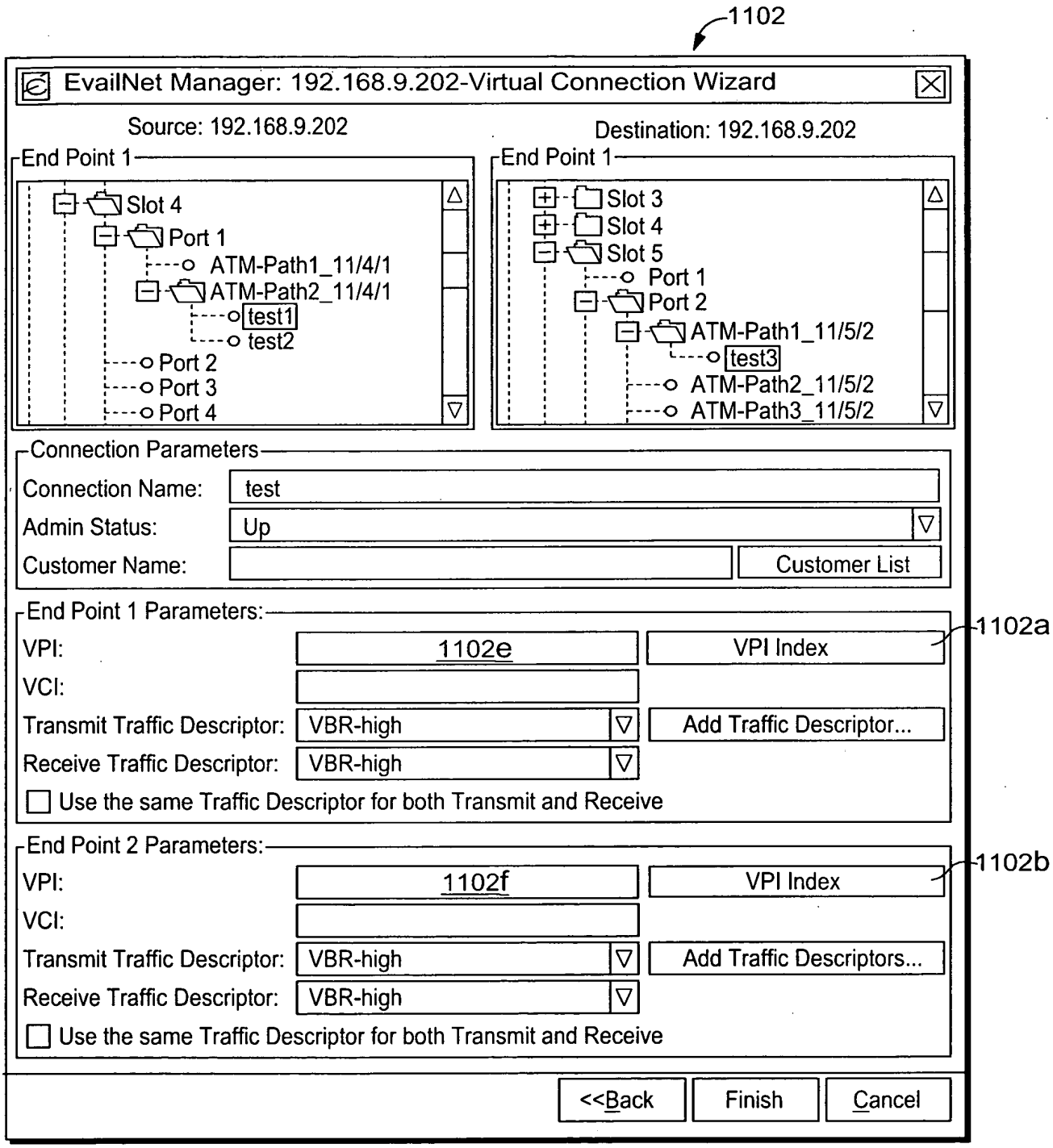

1102
EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
Source: 192.168.9.202
Destination: 192.168.9.202
End Point 1
Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4
End Point 1
Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path3_11/5/2
Connection Parameters
Connection Name:
test
Admin Status:
Up
Customer Name:
Customer List
End Point 1 Parameters:
VPI:
1102e
VPI Index
1102a
VCI:
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptor...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
End Point 2 Parameters:
VPI:
1102f
VPI Index
1102b
VCI:
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptors...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
<<Back
Finish
Cancel

FIG. 75

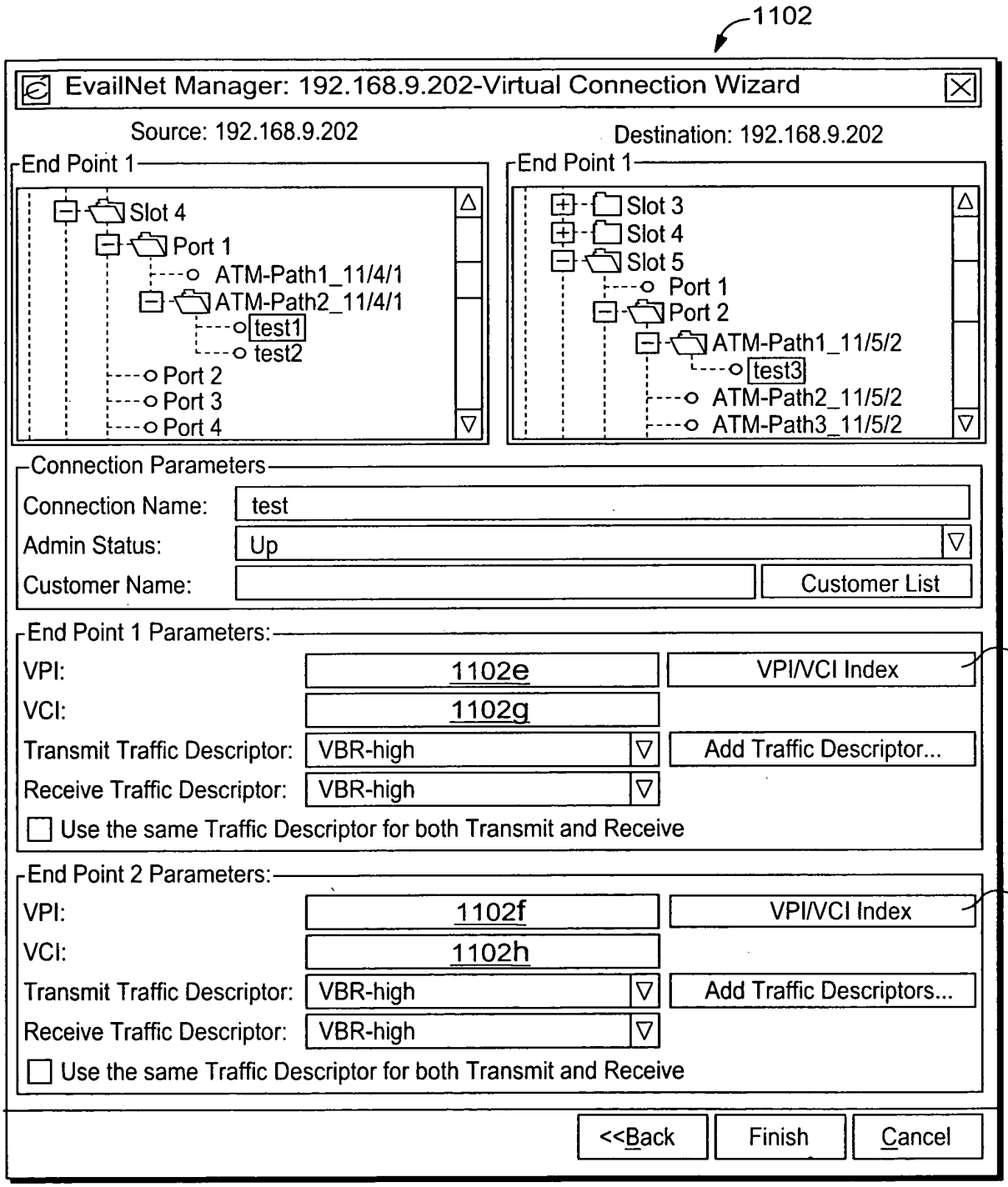

1102
EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
Source: 192.168.9.202
Destination: 192.168.9.202
End Point 1
Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4
End Point 1
Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path3_11/5/2
Connection Parameters
Connection Name:
test
Admin Status:
Up
Customer Name:
Customer List
End Point 1 Parameters:
VPI:
1102e
VPI/VCI Index
1102c
VCI:
1102g
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptor...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
End Point 2 Parameters:
VPI:
1102f
VPI/VCI Index
1102d
VCI:
1102h
Transmit Traffic Descriptor:
VBR-high
Add Traffic Descriptors...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
<<Back
Finish
Cancel

FIG. 76

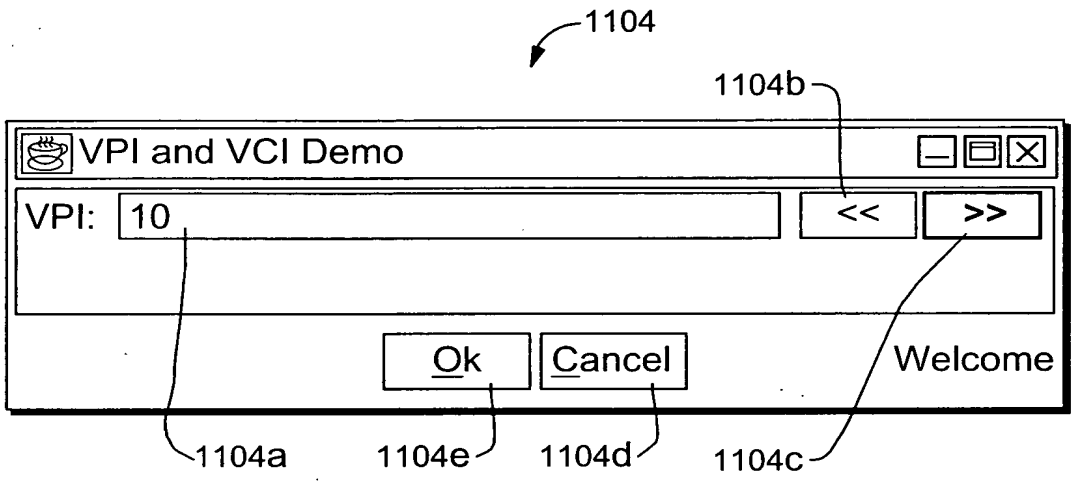

1104
1104b
VPI and VCI Demo
VPI:
10
<<
>>
Ok
Cancel
Welcome
1104a
1104e
1104d
1104c

FIG. 77

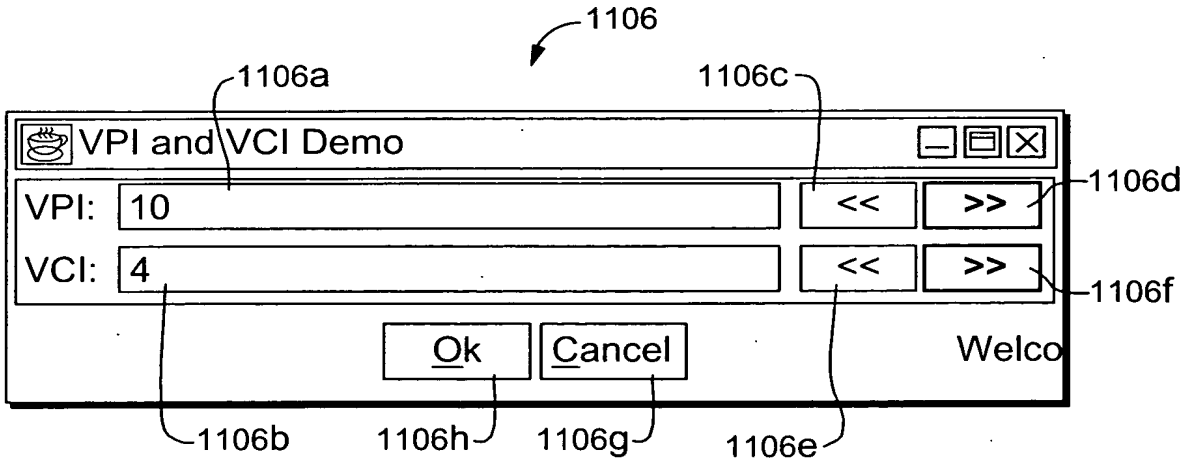

1106
1106a
1106c
VPI and VCI Demo
VPI:
10
VCI:
4
<<
>>
1106d
1106f
Ok
Cancel
Welco
1106b
1106h
1106g
1106e

FIG. 78

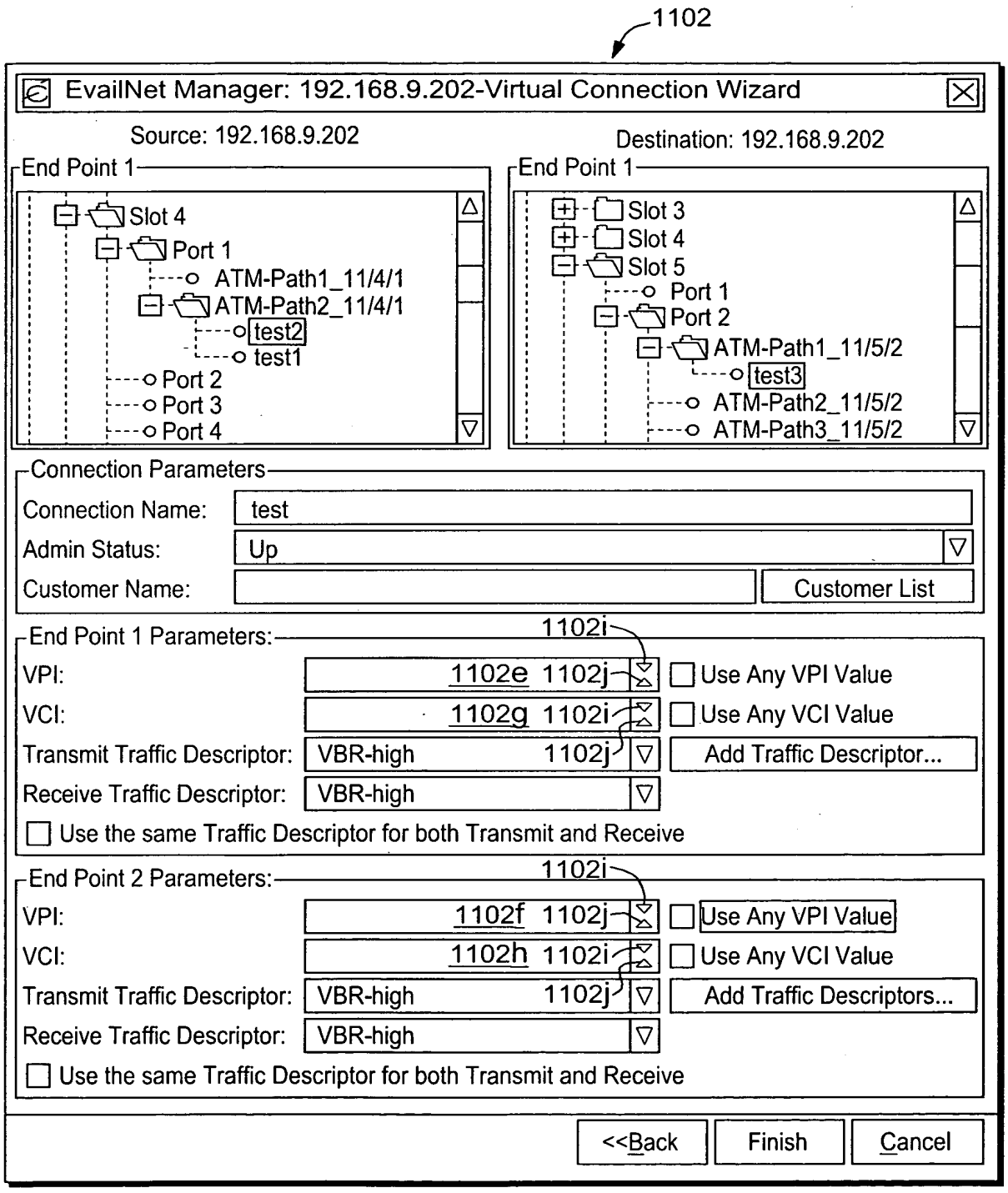

1102
EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
Source: 192.168.9.202
Destination: 192.168.9.202
End Point 1
Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test2
test1
Port 2
Port 3
Port 4
End Point 1
Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path3_11/5/2
Connection Parameters
Connection Name:
test
Admin Status:
Up
Customer Name:
Customer List
End Point 1 Parameters:
1102i
VPI:
1102e 1102j
Use Any VPI Value
VCI:
1102g 1102i
Use Any VCI Value
Transmit Traffic Descriptor:
VBR-high
1102j
Add Traffic Descriptor...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
End Point 2 Parameters:
1102i
VPI:
1102f 1102j
Use Any VPI Value
VCI:
1102h 1102i
Use Any VCI Value
Transmit Traffic Descriptor:
VBR-high
1102j
Add Traffic Descriptors...
Receive Traffic Descriptor:
VBR-high
Use the same Traffic Descriptor for both Transmit and Receive
<<Back
Finish
Cancel

FIG. 79

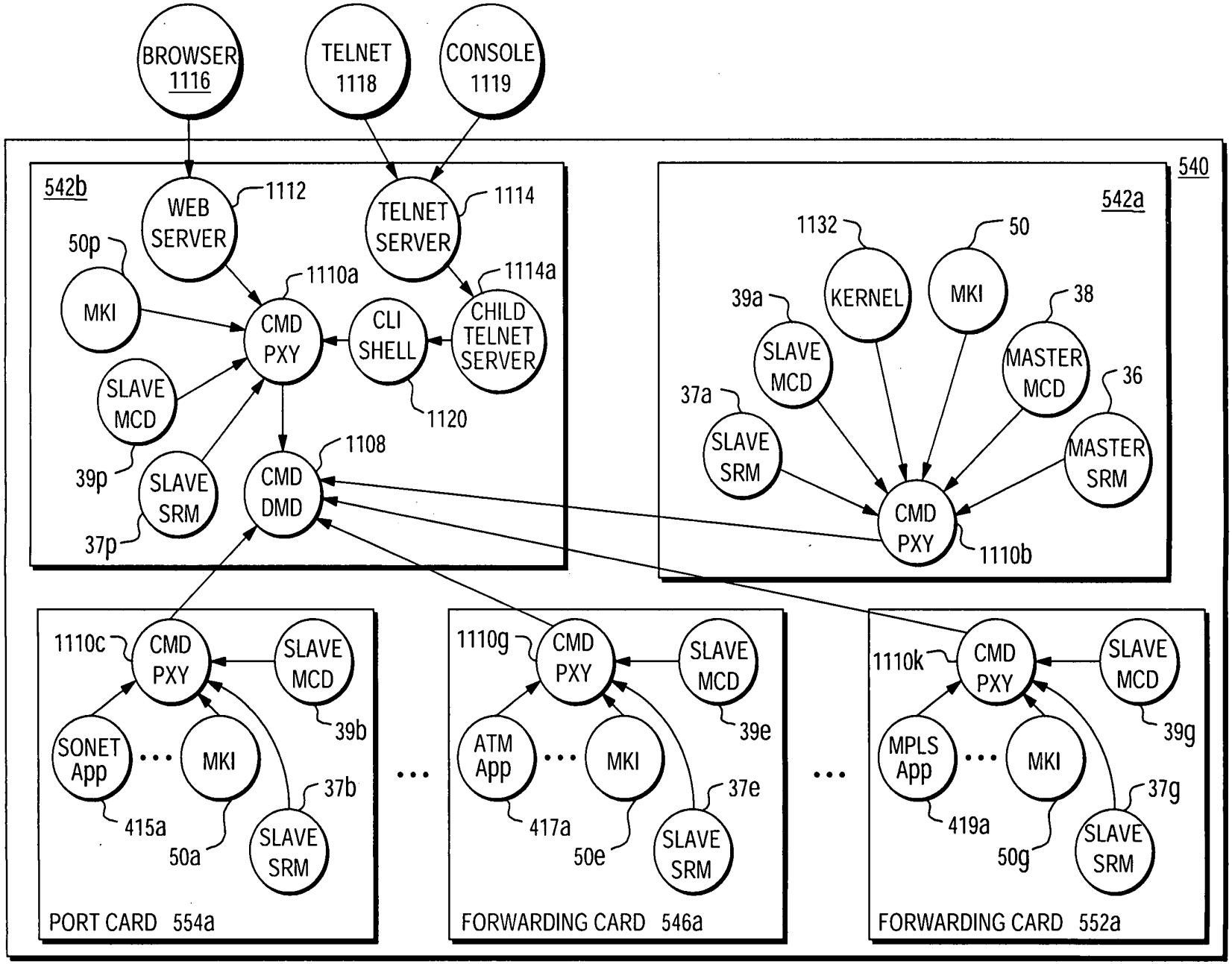

BROWSER 1116
TELNET 1118
CONSOLE 1119
540
542b
WEB SERVER
1112
TELNET SERVER
1114
50p
MKI
1110a
CMD PXY
CLI SHELL
CHILD TELNET SERVER
1114a
SLAVE MCD
1120
39p
SLAVE SRM
CMD DMD
1108
37p
542a
1132
KERNEL
50
MKI
39a
SLAVE MCD
38
MASTER MCD
37a
SLAVE SRM
36
MASTER SRM
CMD PXY
1110b
1110c
CMD PXY
SLAVE MCD
39b
SONET App
MKI
37b
415a
50a
SLAVE SRM
PORT CARD 554a
1110g
CMD PXY
SLAVE MCD
39e
ATM App
MKI
37e
417a
50e
SLAVE SRM
FORWARDING CARD 546a
1110k
CMD PXY
SLAVE MCD
39g
MPLS App
MKI
37g
419a
50g
SLAVE SRM
FORWARDING CARD 552a

FIG. 80

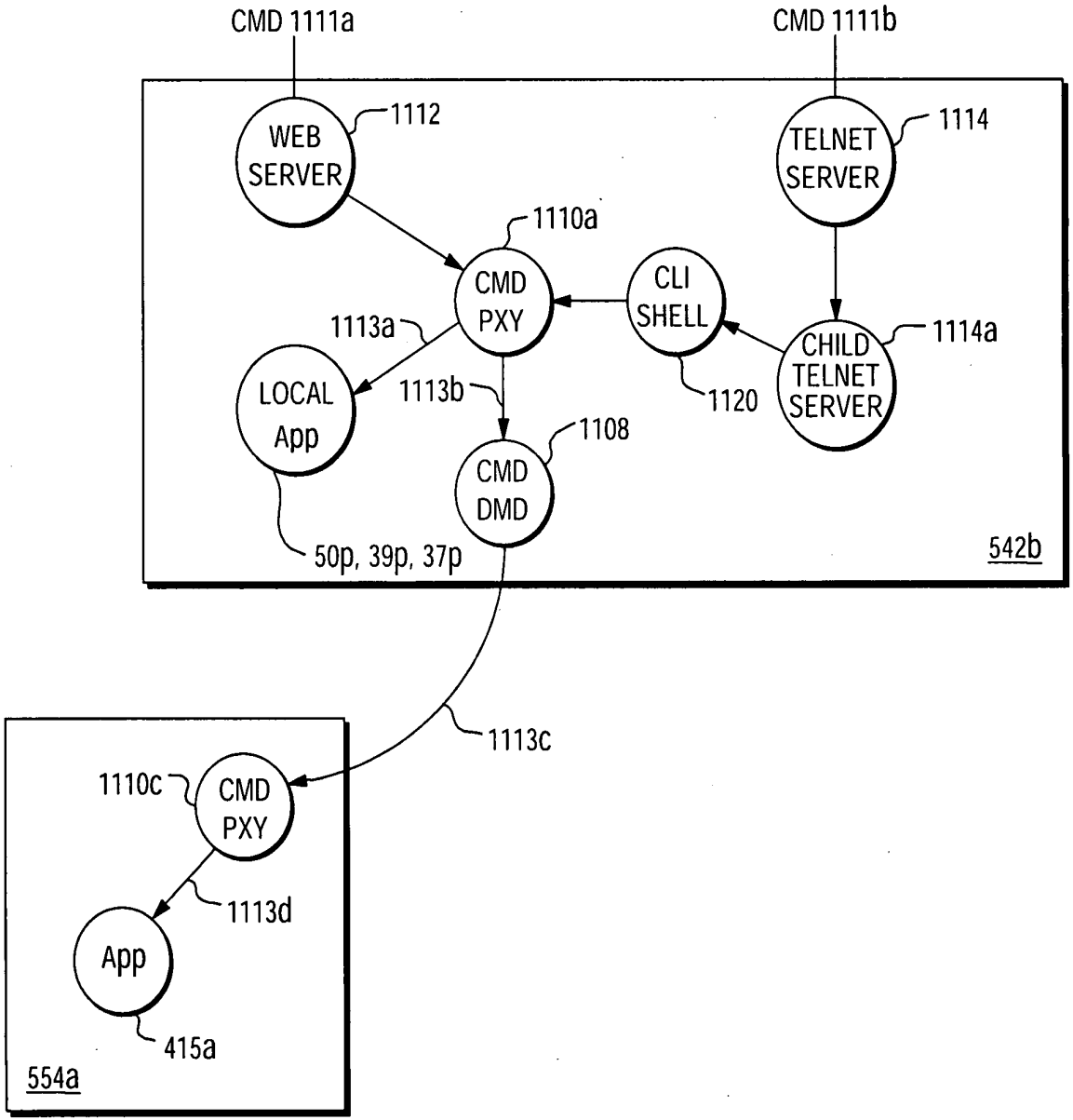

CMD 1111a
CMD 1111b
WEB SERVER
1112
TELNET SERVER
1114
1110a
CMD PXY
CLI SHELL
1113a
CHILD TELNET SERVER
1114a
LOCAL App
1113b
1120
1108
CMD DMD
50p, 39p, 37p
542b
1113c
1110c
CMD PXY
1113d
App
415a
554a

FIG. 81

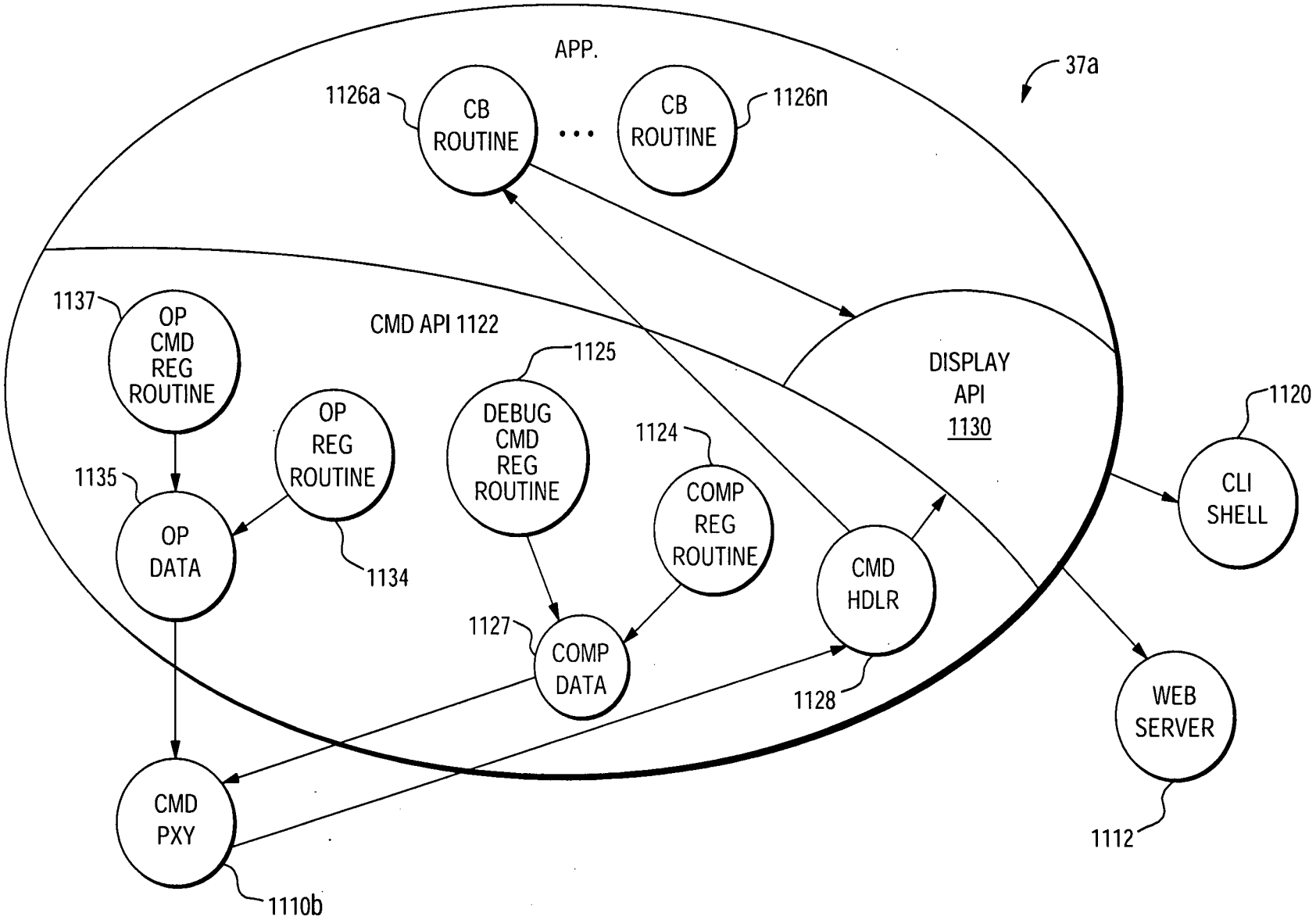

APP.
37a
1126a
CB ROUTINE
CB ROUTINE
1126n
1137
OP CMD REG ROUTINE
CMD API 1122
1125
DEBUG CMD REG ROUTINE
DISPLAY API 1130
1120
CLI SHELL
OP REG ROUTINE
1124
COMP REG ROUTINE
1135
OP DATA
1134
CMD HDLR
1127
COMP DATA
1128
WEB SERVER
CMD PXY
1112
1110b

FIG. 82

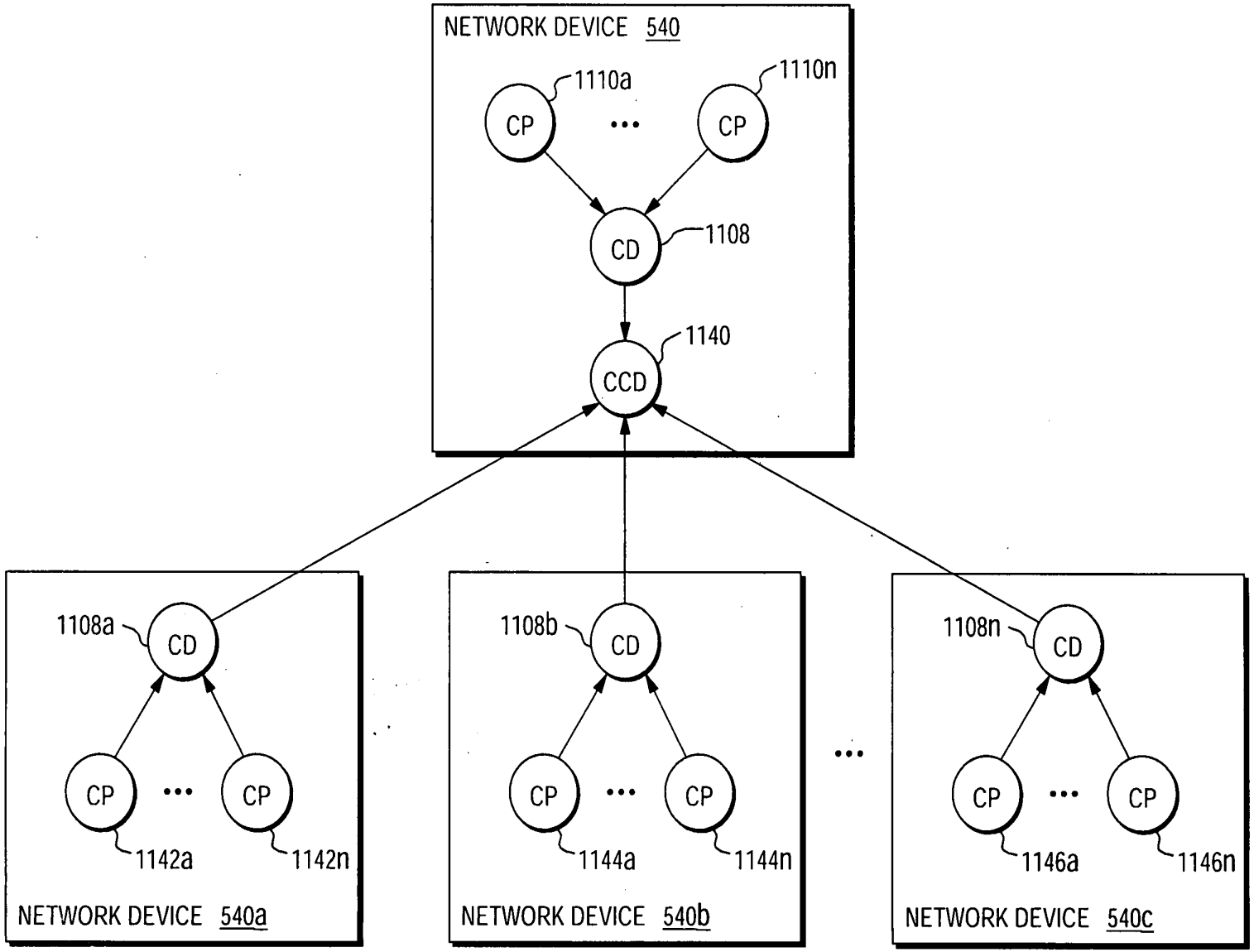

NETWORK DEVICE 540
1110a
1110n
CP
CP
CD
1108
1140
CCD
1108a
CD
CP
CP
1142a
1142n
NETWORK DEVICE 540a
1108b
CD
CP
CP
1144a
1144n
NETWORK DEVICE 540b
1108n
CD
CP
CP
1146a
1146n
NETWORK DEVICE 540c

FIG. 83